

## Response #1

not waste (and was not utilized in our facility) no labeling was performed.

## Response #1

1. During the inspectors' visit to our Pulaski facility in December 2007, a Die Hard battery was observed on the floor. As was explained by our facility coordinator at the time, this battery was in fact not used by our company, but was the property of an employee who had left it on the premises temporarily. The battery has since been removed by the aforementioned employee.

a. The battery is a used battery. It was at no point (intended for or) used in any capacity by Eastern Plating Company, Inc.

b. The battery was stored at the Pulaski facility for 2 days, having been removed the day following the date of the inspection.

c. The battery is a Die Hard WeatherHandler battery.

d. Eastern Plating Company, Inc. cumulatively generates approximately two spent batteries in a typical five-year period. This consists of two vehicle batteries, one at each of our (two) facilities, for each of our two forklifts. These batteries typically take approximately 4-5 years to reach complete depletion, at which point we do not dispose of them, but immediately contact our vendor to arrange a "core exchange", wherein any disposable waste is processed and handled by our vendor.

e. Approximately zero used batteries are generated in one year (both facilities combined). As noted, the typical life expectancy of either of the two batteries being actively used at any point by our facilities, is approximately 4-5 years.

f. Neither our Pulaski facility nor Baylis facility handles or stores used battery waste stream. As explained above, batteries which have been exhausted are immediately processed via a core exchange. This eliminates any used battery waste storage or disposal. As a result of the immediate turn-around time of processing used batteries, no storage containers, labeling, and/or dating are necessary. Used batteries are kept intact in the forklift until our vendor arrives to perform a core exchange.

g. There is no accumulation of any used battery waste stream at either of our facilities. Furthermore, as (our vendor who performs our core exchanges) handles any battery disposal that may be necessary, we do not ship anything off-site ourselves.

h. As stated above, there is no used battery waste stream to be disposed of. Thus nothing is sent off-site for disposal or recycling, as our vendor removes any disposable materials at the time of the core exchange.

i. As was noted above, neither of our two facilities store or ship any used battery (waste stream). Attachments 1a and 1b contain purchase orders for the forklift batteries.

j. As previously explained, the battery noted at the time of inspection was not waste generated by our facility. The battery was stored at our facility for no longer than two days, at which point the employee to whom it belonged removed it. Furthermore, this battery (as was explained by the employee) is used but is not waste, as it was not entirely depleted. Because this battery was

## Response # 2

2. We reviewed the information obtained by inspectors during their December 2007 visit to our facility.
  - a. Two statements containing the word “spent” are inaccurate.
    - “Spent” to us, implies no longer usable. The lacquer saturated MEK is still usable when it is segregated for recycling.
    - The determination to segregate the MEK into a drum is based on the operator's judgment. When the dissolution time becomes unacceptable to the tending operator, the lacquer saturated MEK is transferred to the “dirty” drum.  
We do not use analytical lab tests to make this determination. Therefore we have no supporting documentation for this.
  - b. There is no “spent” MEK generated at Pulaski. Approximately 1-2 drums (55 – 110 gallons) of recyclable MEK are accumulated per month. We have no current production records to support this. Manifests for hauled lacquer saturated MEK in the years 2006 and 2005 support the 1-2 drums per month. These are included in attachments 2b – 2g.
  - c. The unit began operation in March 2007. It was installed and tested for approximately 3 months prior to operation and it was purchased in June 2006. Attached 2a contains the first production log for operation.
  - d. Attachments 2b – 2h contains all MEK disposal manifests from 2005 - 2006.

## SOLVENT RECYCLER

Operator: RL

# ATTACHMENT 2B

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
(410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

### HAZARDOUS WASTE PROGRAM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) HAZARDOUS WASTE MANIFEST Form Approved. OMB No. 2050-0039.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. MD00000136246		Manifest Document No. 08299		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.																																					
3. Generator's Name and Mailing Address Eastern Pleting - Roseville 7805 Plesser Highway Baltimore MD 21237						A. State Manifest Document Number MDC 1108299																																							
4. Generator's Phone ( ) Baltimore MD 21237						B. State Generator's ID																																							
5. Transporter 1 Company Name Midwest Environmental Transport Co						C. State Transporter's ID HWH 4921013820 DC																																							
6. US EPA ID Number 04000000053						D. Transporter's Phone																																							
7. Transporter 2 Company Name						E. State Transporter's ID HWH DC																																							
8. US EPA ID Number						F. Transporter's Phone																																							
9. Designated Facility Name and Site Address Environmental Enterprises Inc. 1050 Spring Grove - Suite Columbia MD 21046						G. State Facility ID																																							
10. US EPA ID Number 04000000053						H. Facility's Phone																																							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.																																	
a. 100 Waste water and ketone, 3 UN1193, Pkgs 000, 000 Pkgs						Nc. Type		Quantity		Unit Wt/Vol		Waste No.																																	
						-17 DN -1385 G																																							
b.																																													
c.																																													
d.																																													
J. Additional Description for Materials Listed Above						K. Handling Codes for Wastes Listed Above																																							
<table border="1"> <tr> <th>Haz Code</th> <th>Physical State</th> <th>Specific Gravity</th> <th>Percentage</th> <th>Haz Code</th> <th>Physical State</th> <th>Specific Gravity</th> <th>Percentage</th> </tr> <tr> <td>a.</td> <td></td> <td></td> <td></td> <td>c.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>b.</td> <td></td> <td></td> <td></td> <td>d.</td> <td></td> <td></td> <td></td> </tr> </table>						Haz Code	Physical State	Specific Gravity	Percentage	Haz Code	Physical State	Specific Gravity	Percentage	a.				c.				b.				d.				<table border="1"> <tr> <td>a.</td> <td></td> <td>c.</td> <td></td> </tr> <tr> <td>b.</td> <td></td> <td>d.</td> <td></td> </tr> </table>								a.		c.		b.		d.	
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a.				c.																																									
b.				d.																																									
a.		c.																																											
b.		d.																																											
15. Special Handling Instructions and Additional Information Emergency Response Contact: 1-800-633-6101																																													
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																																													
Printed/Typed Name: Gerald Sullivan Signature: [Signature] Month: 10 Day: 14 Year: 1994																																													
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: [Signature] Signature: [Signature] Month: 10 Day: 14 Year: 1994																																													
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: [Signature] Signature: [Signature] Month: 10 Day: 14 Year: 1994																																													
19. Discrepancy Indication Space																																													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name: [Signature] Signature: [Signature] Month: 10 Day: 14 Year: 1994																																													

In case of an emergency or spill, immediately call the National Response Center at (800) 424-8802 and the MDE at (410) 537-3400. Nights and Holidays at (866) 633-4686.

MDC 1108299

137E

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0059

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number MD00000136366	2. Page 1 of 2	3. Emergency Response Phone (800) 362-1503	4. Manifest Tracking Number 000015090 FLE
5. Generator Name and Mailing Address Easton Plating - Rosedale 7703 Pulaski Highway Baltimore, MD 21237 Generator's Phone: (410) 475-5900					
6. Transporter 1 Company Name Midwest Environmental Transport, Inc.					U.S. EPA ID Number OH0600600639
7. Transporter 2 Company Name					U.S. EPA ID Number
8. Designated Facility Name and Site Address Environmental Enterprises, Inc. 4850 Spring Grove Avenue Cincinnati, OH 45232 Facility's Phone: (513) 541-1825					U.S. EPA ID Number OHD083277019
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity
	1. RD	Waste Material: ethyl ketone, 3, DMT103, F001, D001, D003, F005	- 12 DM		660 G
	2.				
	3.				
	4.				
14. Special Handling Instructions and Additional Information 12-150-103-127 06 35822-33					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (1) I am a large quantity generator, or (b) (1) I am a small quantity generator, is true.					
Generator/Officer's Printed/Typed Name: Gerald Sullivan Signature: [Signature] Month: 9 Day: 26 Year: 06					
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____				
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: Glenn Watkins Signature: [Signature] Month: 9 Day: 26 Year: 06 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____				
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____ U.S. EPA ID Number: _____ 18b. Alternate Facility (or Generator): _____ Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator): _____ Month: _____ Day: _____ Year: _____				
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems): 1. _____ 2. _____ 3. _____ 4. _____				
	20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a. Printed/Typed Name: [Signature] Signature: [Signature] Month: 9 Day: 26 Year: 06				
	DESIGNATED FACILITY (or Generator)				

## ATTACHMENT 2D

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
 (410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

137E

## HAZARDOUS WASTE PROGRAM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) HAZARDOUS WASTE MANIFEST Form Approved. OMB No. 2050-0039.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. MD00000136306		Manifest Document No. 4867		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Eastern Plating - Rosedale 7803 Pulaski Highway Baltimore, MD 21237						A. State Manifest Document Number MDC 1048674							
4. Generator's Phone ( ) Baltimore, MD 21237						B. State Generator's ID							
5. Transporter 1 Company Name Midwest Environmental Transport Inc.						C. State Transporter's ID HWH 692 011414 DC							
7. Transporter 2 Company Name						D. Transporter's Phone (513) 724-1142							
9. Designated Facility Name and Site Address Environmental Enterprises, Inc. 4650 Spring Grove Avenue Birmingham, OH 45202						E. State Transporter's ID HWH DC							
10. US EPA ID Number OH0000000053						F. Transporter's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RC Waste Methyl ethyl ketone, 3, UN1193, PGII (DGR) D035 F005						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
						xx3 DM		yx 165					
						xx3 DM		yx 110 G					
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State Specific Gravity Percentage						a. H000 c.							
b. 05-06569-71						b. d.							
15. Special Handling Instructions and Additional Information Emergency Response Coordinator: (800) 252-1503 and call 911													
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name E. PINOIA						Signature [Signature]							
17. Transporter 1 Acknowledgement of Receipt of Materials						Date 10/31/05							
Printed/Typed Name Edwin WALKINS						Signature [Signature]							
18. Transporter 2 Acknowledgement of Receipt of Materials						Date 10/31/05							
Printed/Typed Name						Signature [Signature]							
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Date							
Printed/Typed Name JOHN MECKEL						Signature [Signature]							
						Date 10/31/05							

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

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137E

## HAZARDOUS WASTE PROGRAM

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MD0000013636H	Manifest Document No. 48688	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Eastern Plating - Rosedale 7803 Pulaski Highway Baltimore MD 21237				A. State Manifest Document Number MDC 1048688		
4. Generator's Phone (410) 537-6802				B. State Generator's ID		
5. Transporter 1 Company Name Midwest Environmental Transport, Inc.		6. US EPA ID Number OH00000000539		C. State Transporter's ID HWH 491 011414 DC		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (513) 772-145		
9. Designated Facility Name and Site Address Environmental Enterprises, Inc. 4650 Spring Grove Avenue Cincinnati, OH 45232		10. US EPA ID Number OH000000007010		E. State Transporter's ID HWH DC		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				F. Transporter's Phone		
a. RQ, Waste Methyl ethyl ketone, 3, UN1183, PSII (Du01 D035 F005)				G. State Facility ID		
b. Waste Toxic, liquids, organic, n.o.s., (N-Propyl bromide, 2-Propenol), 6.1, UN2810, PSII				H. Facility's Phone 513 541 1823		
c.				12. Containers		
d.				13. Total Quantity		
J. Additional Descriptions for Materials Listed Above				14. Unit Wt/Vol		
a. <input checked="" type="checkbox"/> L 165 G				1. Waste No. D001 D035 F005		
b. <input type="checkbox"/> L 55 G				None		
c.						
d.						
K. Handling Codes for Wastes Listed Above						
a. <input checked="" type="checkbox"/> H061				c. <input type="checkbox"/>		
b. <input type="checkbox"/>				d. <input type="checkbox"/>		
15. Special Handling Instructions and Additional Information 11a. X44951 3 x55 ERO # 127 Emergency Response Coordinator: (800) 382-1803 and call 911						
16. GENERATORS' CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name		Signature		Month Day Year		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name Kevin J. Hunter		Signature		Month Day Year 10/24/05		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name		Signature		Month Day Year		
Date Campbell		Signature		Month Day Year 10/24/05		

In Case of an Emergency or Spill, immediately call the National Response Center at (800) 424-8802 and the MDE at (410) 537-3400. Nights and Holidays at (866) 633-4686.

GENERATOR

TRANSPORTER

FACILITY

MDC 1048688



## MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
(410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

## HAZARDOUS WASTE PROGRAM

## HAZARDOUS WASTE MANIFEST

Form Approved. OMB No. 2050-0039.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. MD00000100055		Manifest Document No. 27257		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.																																			
3. Generator's Name and Mailing Address Eastern Plating - Roseville 7005 Pulaski Highway Baltimore, MD 21237						A. State Manifest Document Number: MDC 1108257																																					
4. Generator's Phone ( ) 410-537-3344						B. State Generator's ID																																					
5. Transporter 1 Company Name Lowest Environmental Transport Inc.						C. State Transporter's ID HWH 611414 DC																																					
6. US EPA ID Number 04000000052						D. Transporter's Phone (410) 721-4141																																					
7. Transporter 2 Company Name						E. State Transporter's ID HWH DC																																					
8. US EPA ID Number						F. Transporter's Phone																																					
9. Designated Facility Name and Site Address Environmental Enterprises Inc. 4000 Spring Grove Avenue Baltimore, MD 21237						G. State Facility ID																																					
10. US EPA ID Number 04000000052						H. Facility's Phone 410-537-3344																																					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.																															
a. RC Waste: Mercury, ethyl hexanoate, 9.5% (UN 1805, PGII (D001 D035 P005))						X X 5 DM		275 G				C001 D005 F005																															
b.																																											
c.																																											
d.																																											
J. Additional Description for Materials Listed Above						K. Handling Codes for Wastes Listed Above																																					
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a.				c.																																							
b.				d.																																							
a.	1/00	c.																																									
b.		d.																																									
15. Special Handling Instructions and Additional Information 115 X49351 5 205 ERG # 127						Emergency Response Coordinator (800) 592-1505 and call 911																																					
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																																											
Printed/Typed Name K. R. R. R.						Signature K. R. R. R.				Month Day Year 11/01/95																																	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name J. R. R. R.						Signature J. R. R. R.				Month Day Year 11/01/95																																	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature				Month Day Year																																	
19. Discrepancy Indication Space																																											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																																											
Printed/Typed Name J. R. R. R.						Signature J. R. R. R.				Month Day Year 11/01/95																																	

# ATTACHMENT 2G MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
(410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

137E

## HAZARDOUS WASTE PROGRAM HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>MD0000136366</b>		Manifest Document No. <b>08279</b>		2. Page 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>Eastern Plating - Rosedale 7803 Pulaski Highway Baltimore, MD 21237</b>				A. State Manifest Document Number <b>MDC 1108279</b>					
4. Generator's Phone ( ) <b>410-875-8982</b>				B. State Generator's ID					
5. Transporter 1 Company Name <b>Midwest Environmental Transport, Inc.</b>		6. US EPA ID Number <b>0400000005</b>		C. State Transporter's ID <b>HWH 452 01141</b>		DC			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone					
9. Designated Facility Name and Site Address <b>Environmental Enterprises, Inc. 4650 Spring Grove Avenue Crownsville, OH 45032</b>				10. US EPA ID Number <b>012000277010</b>		E. State Transporter's ID <b>HWH</b>		DC	
				F. Transporter's Phone					
				G. State Facility ID					
				H. Facility's Phone					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. <b>RQ, Waste Methyl ethyl ketone, 3, UN1193, PGII (D001 D036 F005)</b>				No. <b>1</b> Type <b>A</b>		<b>275</b>		<b>G</b>	
b.									
c.									
d.									
J. Additional Description for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
Haz. Code		Physical State		Specific Gravity		Percentage		Haz. Code	
a.		b.		c.		d.		a.	
b.		c.		d.		e.		f.	
15. Special Handling Instructions and Additional Information <b>11a. X44351 5 x 65 ERG # 127</b> <b>Emergency Response Coordinator: (800) 392-1003 and call 911</b>									
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name <b>KAREN Keffer</b>				Signature <i>Karen Keffer</i>				Month Day Year <b>12/06/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>John Watkins</i>				Month Day Year <b>12/06/05</b>	
Printed/Typed Name <b>John Watkins</b>				Signature				Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature				Month Day Year	
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name <b>Steve McEllen</b>				Signature <i>Steve McEllen</i>				Month Day Year <b>11-11-05</b>	

In case of an emergency or spill, immediately call the National Response Center at (800) 424-8802 and the MDE at (410) 537-3400. Nights and Holidays at (866) 633-4686.

MDC 1108279

### **Response # 3**

are exclusively treated and reclaimed/recycled on-site at our facilities.

### Response # 3

3. During their December 2007 visit to our Pulaski facility, inspectors observed (eight) 55-gallon MEK storage drums near our MEK station.

a. Several drums contained "dirty" MEK. For the drums containing "dirty" MEK, the process is below: Many customers' parts require selective anodizing where not all of the surfaces require anodize. A lacquer, Miccroshield, is applied to mask these surfaces. The lacquer dries on the parts prior to anodize. After anodizing the parts are immersed in a series of parts cleaning tanks containing MEK. The first tank contains "dirty" MEK which has dissolved Miccroshield. The parts are moved to successively "cleaner" MEK tanks with the final MEK tank containing no Miccroshield.

Several drums contained "clean" MEK. For the "clean" MEK, the process is below: The immersion of the parts results in gradual increase in Miccroshield concentration, decreasing the effectiveness of the MEK. At the point in which Miccroshield removal can no longer be achieved in a reasonable amount of time, the MEK is considered "dirty". It is then pumped into these 55-gallon drums for storage, until it can be reclaimed via a distillation process in our MEK recycling unit. Because of the nature of the reclamation process (consisting of 4 stages of heating and cooling for each batch- (3 – 5 batches is typical per 55-gallon drum) taking approximately 7 hours, with an optimal cool-down time of 2 hours), it is normally performed once a sufficient accumulation of the "dirty" MEK has occurred.

b. Of the eight drums observed during the inspectors' visit:

- one drum (labeled "clean") was empty
- one drum (labeled "clean") was full containing reclaimed MEK
- four full drums contained dirty MEK awaiting recycling
- two partially full drums of dirty MEK were used for more accumulation

The contents were verified by internal evaluation.

c. Because these materials are considered "in-process"- that is, actively added to or reclaimed, no logs are maintained. We estimate accumulation of these batches began in November 2007. Additionally, the recycled "clean" MEK was reclaimed in November 2007, at which point the most recent accumulation of "dirty" MEK began.

d. Attached please find MSDS for MEK and Miccroshield, the two components of these drums (see attachment no. 3a & 3b ).

e. The solutions stored in these drums are in-process, not waste.

f. As noted, these materials were not determined to be waste, as they are reclaimable and actively recycled.

g. As noted, these materials were not determined to be waste, hazardous or otherwise. These materials are considered in-process materials. Furthermore, even after reaching the point of inefficiency wherein they are no longer desirable for high-volume use, these materials (even pre-reclamation/recycling) are still viable, provided an extended period of submersion is allowed to remove the Miccroshield.

h. As mentioned previously, these materials are not only in-process (actively moving in and out of drums as needed either for reclamation or direct reuse), but are additionally still viable for use if prolonged submersion is allowed. Thus, no determination was made as the solutions are not considered to be waste.

i. Eastern Plating Company, Inc. recycles all used MEK as a part of our policy of waste minimization and environmental responsibility. The materials stored in these drums is recycled on-site. These materials are at no point shipped off-site for any storage, recycling, or disposal.

j. Pursuant to our policy of waste minimization, these materials are no longer (as noted above) at any point shipped off-site for any storage, recycling, or disposal, as of March 2007.

k. Per previous responses, no bills, manifests, shipping invoices, and LDR notices are available, as these materials

# ATTACHMENT 3A

## MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation

DATE PREPARED JUL 1, 2005  
MSDS NO. 92050005

METHYL ETHYL KETONE

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Methyl Ethyl Ketone

CHEMICAL NAME:

CHEMICAL FAMILY:

PRODUCT DESCRIPTION:

CONTACT ADDRESS:

ExxonMobil Chemical Company  
P.O. Box 1000, Houston, Texas 77240-1000

\*\* EMERGENCY TELEPHONE NUMBERS (24 HOUR) \*\*  
\*\* CHEMTREC (800) 424-9303 \*\*  
\*\* ExxonMobil Chemical Company (800) 726-2015 \*\*

FOR EMERGENCY USE ONLY (DO NOT REMOVE)  
FOR GENERAL PRODUCT INFORMATION CALL (800) 842-6000  
FOR HAZARD AND HEALTH INFORMATION CALL (800) 424-9303

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is hazardous as defined in 49 CFR 171.101  
GHS HAZARD  
Flammable  
Irritant  
Environment

### SECTION 3. HAZARDS IDENTIFICATION

Page:

# MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation

DATE PREPARED: JUL 1, 2005  
MSDS NO.: 92050000

METHYL ETHYL KETONE

## POTENTIAL HEALTH EFFECTS

### EYE CONTACT:

Methyl ethyl ketone will not harm eyes directly, will cause eye irritation, which may result in permanent damage.

### SKIN CONTACT:

Direct contact with skin may cause mild irritation, dryness, and cracking. Prolonged contact may cause dermatitis.

### INHALATION

Repeated low-level inhalation of vapors may cause irritation to the respiratory tract. High concentrations may cause weakness and dizziness. High concentrations may cause other effects such as asphyxiation.

### INGESTION

Swallowing the liquid may irritate the mouth and the respiratory system. It may cause nausea, vomiting, and diarrhea. It may cause other effects.

### CHRONIC EFFECTS

Repeated low-level exposure to Methyl Ethyl Ketone may cause irritation to the respiratory tract. Repeated high-level exposure may cause irritation to the respiratory tract. Repeated high-level exposure may cause other effects such as asphyxiation. Repeated high-level exposure may cause other effects such as asphyxiation.

## SECTION 4. FIRST AID MEASURES

### EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get medical attention.

### SKIN CONTACT:

Immediately flush skin with large amounts of water. Get medical attention.

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**ExxonMobil Chemical Company**  
A Division of Exxon Mobil Corporation

METHYL ETHYL KETONE

**INHALATION:**

## INGESTION

## SECTION 5 FIRE-FIGHTING MEASURES

GENERAL HAZARD

## FIRE FIGHTING

### DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

## SECTION 6 ACCIDENTAL RELEASE MEASURES

# MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation

DATE PREPARED: JUL 1, 2005

MSDS NO.: 92050000

METHYL ETHYL KETONE

## LAND SPILL

Eliminate sources of ignition. Prevent additional discharge of the spill if possible to do so without hazard. For small spills implement cleanup procedures. For large spills implement cleanup procedures and, if in public areas, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting, call Section 15 Reporting INFORMATION, notify the National Response Center.

Do not ignite any burning power, autoincandescent or low voltage, certain certified liquid with vent or extra do not use conductive materials near or within.

Remove all clothing from an exposed person or hand pump or within a suitable accident.

Follow all applicable disposal or recovered material and ensure compliance with all disposal regulations.

## WATER SPILL

Eliminate sources of ignition. Water companies and shipping to water and and downstream areas of fire and explosion hazard and request all to stop.

Follow all applicable disposal or recovered material and ensure compliance with all disposal regulations.

## SECTION 7 STORAGE AND HANDLING

### ELECTROSTATIC ACCUMULATION HAZARD

Do not use proper handling and generating procedure.

STORAGE TEMPERATURE Deg F

Ambient

LOADING/UNLOADING TEMPERATURE Deg F

Ambient

STORAGE/TRANSPORT PRESSURE atm/g

Atmospheric

LOADING/UNLOADING VISCOSITY cSt

100

### STORAGE AND HANDLING:

Keep containers closed. Handle and open containers with care. Store in a well-ventilated place away from incompatible materials. Do not handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight. This material is not a fire hazard. Do not use proper handling and/or handling procedures.

Date



# MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation

DATE PREPARED: JUL 1, 2005  
MSDS NO.: 92050000

## METHYL ETHYL KETONE

Do NOT pressurize, cut, heat, or weld containers. Empty product  
containers should contain product residue. Do NOT reuse empty containers  
without proper cleaning and recertification.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE CONTROLS

Use proper ventilation to keep vapors and aerosols below their  
permissible exposure limits. Use heat exchanger and/or other equipment  
to reduce exposure.  
Use exclusive form of medical surveillance.

### PERSONAL PROTECTION

Use proper eye wear when contact with liquid. Wear long sleeve, chemical  
resistant gloves, and chemical goggles.  
Where contact may occur, wear a face shield.  
Where concentrations in air may exceed the limits given in this Section  
and engineering work practice or other means of exposure reduction are  
not adequate, NIOSH approved respirators may be necessary to prevent  
overexposure to inhalation.

### WORKPLACE EXPOSURE GUIDELINES

OSHA REGULATION UNDER 1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE  
EXPOSURE LIMIT:  
A TWA of 100 ppm (190 mg/m<sup>3</sup>) and a STEL of 300 ppm (570 mg/m<sup>3</sup>)  
for Methyl Ethyl Ketone (2-butanone).  
The recommended permissible exposure levels indicated above reflect the  
levels revised by OSHA in 1994 or in subsequent regulatory activity.  
Although the OSHA levels have since been vacated by the 11th Circuit Court  
of Appeals, ExxonMobil Chemical Company recommends that the lower exposure  
levels be observed as reasonable worker protection.  
OSHA ALSO RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:  
A TWA of 200 ppm (380 mg/m<sup>3</sup>) and a STEL of 500 ppm (950 mg/m<sup>3</sup>) for  
Methyl Ethyl Ketone.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY at Deg F:	0.81 at 68
VAPOR PRESSURE, mmHg at Deg F:	62.508 at 75
	172.517 at 100

# MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation

DATE PREPARED: JUL 1, 2005  
MSDS NO.: 92050000

## METHYL ETHYL KETONE

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SOLUBILITY IN WATER, wt. % at Deg F:	26.30 at 68
VISCOSITY OF LIQUID, cSt at Deg F:	0.5 at 68
SP. GRAV. OF VAPOR, at 1 atm (Air=1):	Greater than 1.00
FREEZING/MELTING POINT, Deg F:	Less Than 32
EVAPORATION RATE, n-Hu Acetate=1:	5.0
BOILING POINT, Deg F:	175 to 177

---

## SECTION 10. STABILITY AND REACTIVITY

### STABILITY:

Stable

### CONDITIONS TO AVOID INSTABILITY:

Not Applicable

### HAZARDOUS POLYMERIZATION:

Not Applicable

### CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION

Not Applicable

### MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:

Oxidizers, amines, alkalis/acids, aldehydes, ammonia, strong oxidizing agents, and chlorinated compounds.

### HAZARDOUS DECOMPOSITION PRODUCTS:

None

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## SECTION 11. TOXICOLOGICAL INFORMATION

Please refer to Section 9 for available toxicological information on potential health effects.

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# MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation

DATE PREPARED JUL 1 2005

MSDS NO.: 92050000

METHYL ETHYL KETONE

## SECTION 12 ECOLOGICAL INFORMATION

Ecological and environmental data are not listed for this product. Please refer to Section 13 for information on regulatory and federal releases and Section 14 for information on transportation labels.

## SECTION 13 DISPOSAL CONSIDERATIONS

Please refer to Sections 9, 10 and 11 for disposal and regulatory information.

## SECTION 14 TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

Flammable Liquid, Section 3, Hazard Label: F+ (Extremely Flammable)

## SECTION 15 REGULATORY INFORMATION

TSCA:

Chemical Name: Methyl Ethyl Ketone (MEK) Inventory of CAS Registry Number: 78-93-3

CERCLA:

If the maximum quantity of this product is accidentally spilled, the spill must be cleaned up in accordance with the provisions of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and must be reported to the National Response Center by calling 800-424-6868.

The reportable quantity (threshold) for this product is 1,000 pounds (454 kg).

Material Safety Data Sheet

SARA TITLE III:

Under the provisions of Title III, Sections 311-317 of the Superfund Amendments and Reauthorization Act, this product is classified as a "Highly Hazardous Substance".

Under the provisions of Title III, Section 312, this product is classified as a "Highly Hazardous Substance".

Page 1

# MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation

DATE PREPARED JUL 1, 2005

MSDS NO.: 92050000

## METHYL ETHYL KETONE

This information may be subject to the provisions of the Company's  
Limit of Knowledge Report and Requirements (MSDS 92050000) if threshold quantity  
threshold has been met.  
This document does not contain Section 11, Reproduction Information.

## SECTION 16. OTHER INFORMATION

### HAZARD RATING SYSTEMS

This information is for people trained in  
National Fire Protection Association (NFPA)  
Hazardous Materials Identification System (HMIS)  
and the Fire Department Association (NFPA 704)  
classification of the Fire Hazards of Materials.

	NFPA-HMIS	NFPA 704	KEY
HEALTH	2	1	4 = Severe
FLAMMABILITY	3	3	3 = Serious
REACTIVITY	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

NFPA and HMIS ratings are based on a 0-4 rating scale with 1  
representing minimal hazards or risks, and 4 representing significant  
hazards or risks. Unrounded HMIS ratings should not be used in the  
absence of a fully implemented HMIS hazard communication program.

### REVISION SUMMARY:

Since April 1, 2000 this MSDS has been revised as Section 16

### REFERENCE NUMBER:

4DHA-C-00025

### SUPERSEDES ISSUE DATE:

April 1, 2000

Product Code: 92050000

This information relates to the specific material designated and may not be  
valid for other materials. Use in conjunction with any other materials or safety  
information. This information is to the best of our knowledge and best of  
available and reliable as of the date compiled. However, no representation,  
warranty or guarantee is made as to its accuracy, reliability or completeness.  
It is the user's responsibility to verify itself as to the substance and

# MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company  
A Division of Exxon Mobil Corporation

DATE PREPARED: JUL 1, 2005  
MSDS NO.: 92050000

## METHYL ETHYL KETONE

Information on this sheet is provided for general informational use only. It is not intended to be used as a substitute for a full MSDS. For more information, please contact your local safety data sheet provider. The information on this sheet is provided for general informational use only. It is not intended to be used as a substitute for a full MSDS. For more information, please contact your local safety data sheet provider.

**MATERIAL SAFETY DATA SHEET - 16 Sections****SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier Miccroschild		[WHMIS Classification]	
Product Use Plating			
Manufacturer's Name Tolber Chemical Division		Supplier's Name Tolber Chemical Division	
Street Address 220 West 5 <sup>th</sup> Street		Street Address 220 West 5 <sup>th</sup> Street	
City Hope	Province Arkansas	City Hope	Province Arkansas
Postal Code 71801	Emergency Telephone 800-424-9300	Postal Code 71801	Emergency Telephone 800-424-9300
Date MSDS Prepared 08/09/07	MSDS Prepared by Linda Rogers		Phone Number 870-777-3251

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients (specific)	%	CAS Number	LD <sub>50</sub> of Ingredient (specify species and route)	LC <sub>50</sub> of Ingredient (specify species)
Toluene	40-50	108-88-3		
Methyl Ethyl Ketone	5-15	78-93-3	4050mg/kg oral mouse	40mg/m3/2hr inhalation mouse
Tetrahydrofuran	15-25	109-99-9	4500mg/kg oral rat	18000 ppm/m3/4hr inhalation rat
Propylene Oxide	0.5-1.5	75-56-9	380 mg/kg oral rat	4000 ppm/m3/4hr inhalation rat

**SECTION 3 - HAZARDS IDENTIFICATION**

Route of Entry	X Skin Contact	X Skin Absorption	X Eye Contact	X Inhalation	X Ingestion
[Emergency Overview] Dizziness, Nausea, Shortness of Breath.					
[WHMIS Symbols] Health.....3 Fire Hazard.....3 Reactivity.....0 Personal Protection.....X NFPA Health.....3 Fire Hazard.....3 Reactivity.....0 Personal Protection.....X					
[Potential Health Effects] Skin Contact- Irritation, Defatting, Dermatitis Possible. Eye Contact-Vapors may irritate eye, liquid and mist may severely irritate or damage the eye.					
Inhalation- Dizziness, Nausea, Headache, Fatigue & Weakness					
Ingestion- Irritation, Nausea, Vomiting.					

**SECTION 4 - FIRST AID MEASURES**

Skin Contact-Flush with plenty of water.
Eye Contact-Flush with water. Get medical aid immediately.
Ingestion- Do not induce vomiting-Consult a physician immediately
Inhalation-remove to fresh air.

<b>Product Identifier</b>
Microshield

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Flammability</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>If yes, under which conditions?</b> Exposure to flame, sparks, high heat.
<b>Means of Extinction</b> CO2 Dry Chemical		
<b>Flashpoint (°C) and Method</b> -1.1C; 30F TCC	<b>Upper Flammable Limit (% by volume)</b> 10%	<b>Lower Flammable Limit (% by volume)</b> 2%
<b>Autoignition Temperature (°C)</b> 65 C	<b>Explosion Data – Sensitivity to Impact</b>	<b>Explosion Data – Sensitivity to Static Discharge</b>
<b>Hazardous Combustion Products</b> Carbon Monoxide		
<b>[NFPA]</b>		

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Leak and Spill Procedures</b> Remove ignition sources, soak up with absorbent material.
Dispose of in accordance with EPA, State, and Local Regulations.

## SECTION 7 – HANDLING AND STORAGE

<b>Handling Procedures and Equipment</b> Respiratory Protection-Use a Niosh approved respirator. Ventilation-Local Exhaust, Mechanical.
Protective Clothing-Long Sleeve Shirt, Trousers, Safety Shoes, & Solvent Resistant Gloves. Eye Protection-Splash Goggles.
<b>Storage Requirements</b> Flammable- Store in cool, dry area. Keep containers tightly closed. Wash hand with soap and water before handling food.

## SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Exposure Limits</b>	<input type="checkbox"/> ACGIH TLV 150ppm	<input type="checkbox"/> OSHA PEL 150ppm	<input type="checkbox"/> Other (specify) ND
<b>Specific Engineering Controls</b> (such as ventilation, enclosed process)			
See section 7			
<b>Personal Protective Equipment</b>	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Respirator	<input checked="" type="checkbox"/> Eye
	<input checked="" type="checkbox"/> Footwear	<input checked="" type="checkbox"/> Clothing	<input type="checkbox"/> Other
<b>If checked, specify type</b>			

Product Identifier

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odour and Appearance Ketone	Odour Threshold (ppm)
Specific Gravity 0.95	Vapour Density (air = 1) 2.9 (Air=1)	Vapour Pressure (mmHg) ND
Evaporation Rate 3.5 (Butyl Acetate=1)	Boiling Point (°C) @760 mm Hg 194F	Freezing Point (°C) ND
pH ND	Coefficient of Water/Oil Distribution ND	[Solubility in Water) Not Soluble

## SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong Oxidizing Agents
Reactivity, and under what conditions? Strong oxidizing Agents.	
Avoid contact-do not store near flame,sparks,or high heat sources.	
Hazardous Decomposition Products	
Thermal Decomposition May Liberate Carbon Monoxide and Carbon Dioxide.	

## SECTION 11 – TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
See Section -3	
Effects of Chronic Exposure	
Dizziness, Nausea, Shortness of Breath.	
Irritancy of Product	
Skin Sensitization irritation,defatting, dermatitis possible	Respiratory Sensitization May cause dizziness-extended exposure
Carcinogenicity - IARC	Carcinogenicity – ACGIH
Reproductive Toxicity ND	Teratogenicity ND
Embryotoxicity ND	Mutagenicity ND
Name of Synergistic Products/Effects ND	



**SECTION 12 – ECOLOGICAL INFORMATION**

[Aquatic Toxicity] ND

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Waste Disposal Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40CFR. Additionally, waste generators must consult State and local hazardous waste regulation to ensure complete and accurate classification.
RCRA P-Series None Listed
RCRA U-Series CAS# 78-93-3: waste number U159 ;(-ignitable waste, toxic waste).

**SECTION 14 – TRANSPORT INFORMATION**

Special Shipping Information Flammable Liquid	
	PIN
TDG	[DOT] Classification- UN1263 Paint Class 3 PG II Flammable Liquid
[IMO] UN 1263 Paint Class 3 PG II Flammable Liquid	[ICAO] Classification- UN1263 Paint Class 3 PG II

**SECTION 15 – REGULATORY INFORMATION**

[WHMIS CLASSIFICATION]	[OSHA]
[SERA]	[TSCA]

*This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.*

**SECTION 16 – OTHER INFORMATION**

Due to changing nature of regulatory requirements, the information in this document should NOT be considered all inclusive or authoritative. Users Should make their own investigation to determine the suitability of the information For their particular purposes. International, Federal, States, and Local regulations should be consulted to determine compliance with all required reporting requirements.
The information in this MSDS was obtained from sources, which we believe are reliable HOWEVER, THE INFORMATION IS PROVIDED WIHTOUT ANY WARRANTY, EXPRESS OR IMPLIED REGARDING IT CORRECTNESS. The conditions or methods of handling, storage use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME REPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS,DAMAGE OR EXPRENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HADLING, STORAGE,USE OR DISPOSAL OF THE PRODUCT. This MSDS was prepared and is to be used only for this product. If this product is used as a component in another product, this MSDS information may not be applicable.

#### **Response # 4**

4. Near the distillation unit, one 55-gallon drum labeled "MEK Recycle Residue" as observed...the drum contained still bottoms.

- a. The still bottoms were determined to be non-hazardous.
- b. The non-hazardous waste determination was made in 2007 when the unit was started. It was verified in March 2008 through outside laboratory reports.
- c. The still bottoms were determined to be non-hazardous.
- d. The non-hazardous waste determination made in 2007 was based on knowledge of the process. The still bottoms were allowed to dry before disposal.

For the outside lab report, a representative sample of the dried still bottoms was taken. The lab report is in attachment 4a.

- e. The dried still bottoms have been disposed in the municipal trash. The still bottoms which are not dry are in the Pulaski facility drying.
- f. The dried still bottoms have been disposed in the municipal trash.
- g. There are no manifests for the disposed still bottoms.

**MARYLAND SPECTRAL SERVICES, INC.**  
**1500 Caton Center Drive Baltimore, MD 21227**

**VOLATILE ORGANICS BY EPA GC/MS METHOD 8260**

CLIENT SAMPLE ID:	MEK RESIDUE	MEK-RESIDUE-D	TCLP BLANK	VBLK0314D1	TCLP LIMITS
	ESTRN PLATING	ESTRN PLATING			
LAB SAMPLE ID:	08031243	08031243	0313ZHE	METHOD BLANK	
SAMPLE DATE:	03/11/08	03/11/08			
RECEIVED DATE:	03/12/08	03/12/08			
ANALYSIS DATE:	03/14/08	03/14/08	03/14/08	03/14/08	
FILE NAME:	031243DR	031243D	0313ZHE	0314VBLKD1	
INSTRUMENT ID:	MSD	MSD	MSD	MSD	
MATRIX:	WATER	WATER	WATER	WATER	
UNITS:	ug/L	ug/L	ug/L	ug/L	ug/L
DILUTION FACTOR:	25	2000	5.0	1.0	
VOLATILE COMPOUNDS					
Benzene	125 U	10000 U	25 U	5.0 U	500
2-Butanone (MEK)	E	110000	50 U	10 U	200000
Carbon Tetrachloride	125 U	10000 U	25 U	5.0 U	500
Chlorobenzene	125 U	10000 U	25 U	5.0 U	100000
Chloroform	125 U	10000 U	25 U	5.0 U	6000
1,4-Dichlorobenzene	125 U	10000 U	25 U	5.0 U	7500
1,2-Dichloroethane	125 U	10000 U	25 U	5.0 U	500
1,1-Dichloroethene	125 U	10000 U	25 U	5.0 U	700
Tetrachloroethene	125 U	10000 U	25 U	5.0 U	700
Trichloroethene	125 U	10000 U	25 U	5.0 U	500
Vinyl Chloride	125 U	10000 U	25 U	5.0 U	200

E - MEK level exceeded the demonstrated linear range when analyzed at a x 25 dilution.  
 B - Detected in lab blank U - Below reported quantitation level J - Estimated value  
 ug/L = Microgram per liter (parts per billion)

## Response # 5

5. During the December 2007 inspection of our Pulaski facility, inspectors noted two 55-gallon drums which contained "crust" which had been skimmed from the black oxide tank. This crust is a byproduct of the tank, which as explained by our representative, must be removed from the tank as it accumulates, to prevent smudging or other undesirable results on parts which are treated in this tank. This crust is then stored in the drums until it is used in the waste treatment system.

a. For black oxide MSDS, please see attached (attachment no. 5a).

b. The black oxide bath utilized in our Pulaski facility consists of 70% sodium hydroxide and 15% sodium nitrate. This mixture must be heated to the appropriate range for use (250-260 degrees Fahrenheit) to achieve the desired results. The crust forms when the bath cools to room temperature.

c. The black oxide process is used to blacken steel by forming a black oxidation on the surface. The material stored in these containers is crust which is formed as the black oxide mixture cools to room temperature after use of the tank. As noted in response b., this crust occurs as the hydrogen within the mixture evaporates at the elevated temperature, leaving a condensed crust of concentrated sodium.

d. As explained by our facility representative at the time, the two 55-gallon drums in question are used exclusively for storage of crust generated by the black oxide tank after use. These drums are actively maintained by tank operators who are aware of the contents. Attachment 5b contains the lab report with the results of analytical analysis of the crust.

e. We have no logs of the start date. We estimate the drums have been accumulating crust for 2 years.

f. No MSDS exists for the sodium hydroxide crust stored in the drums in question. Attachment 5a contains the MSDS for the black oxide.

g. The byproducts stored in these drums is not waste. After accumulation, it is dissolved in our facility and used in our waste water treatment system.

h. As noted, these materials are not hazardous waste.

i. The contents are not hazardous.

j. The crust was determined based on our knowledge of the process since there are no RCRA materials in the black oxide to be non-hazardous when the process line was installed. This determination was verified in exhibit 5a & 5b.

k. The black oxide byproduct generated has not been shipped off-site.

l. These materials were not shipped off-site.

## **Response # 5**

- m. The contents of these drums are not shipped off-site.

**Black Magic® SS-C**

Hubbard-Hall Incorporated  
563 South Leonard Street  
Waterbury, CT 06708 USA  
Phone: 1-800-331-6871  
Emergency: 1-800-424-9300

**MATERIAL SAFETY DATA SHEET****SECTION I - PRODUCT IDENTIFICATION**

**TRADE NAME:** Black Magic® SS-C  
**CHEMICAL NAME:** Sodium Hydroxide  
**CHEMICAL FAMILY:** Inorganic Alkali

**- H M I S -**  
**HEALTH** **FIRE** **REACTIVITY**  
3 0 2

**SECTION II - HAZARDOUS INGREDIENTS**

**SODIUM HYDROXIDE** (APPROX) 70%, CAS 1310-73-2, TLV=2 MG/M3, REGULATED UNDER CWA/311, NIOSH CRITERIA DOCUMENTS, CERCLA, OSHA AIR CONTAMINANTS, ACGIH TLV CHEMICALS, DOT HAZARDOUS MATERIALS, DOT HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES; AND RADIONUCLIDES, CANADIAN IDL 1% CONC., MA SUBSTANCE LIST, NJ RIGHT TO KNOW HAZ SUBSTANCE LIST S, PA HAZARDOUS SUBSTANCE LIST E.

**SODIUM NITRATE** (APPROX) 15%, CAS 7631-99-4, REGULATED UNDER DOT HAZARDOUS MATERIALS, CANADIAN IDL 1% CONC., MA SUBSTANCE LIST, NJ RIGHT TO KNOW HAZ SUBSTANCE LIST, PA HAZARDOUS SUBSTANCE LIST.

NO OTHER INGREDIENTS IN THIS MIXTURE ARE CONSIDERED TO BE HAZARDOUS ACCORDING TO ANY STATE OR FEDERAL REGULATIONS.

**SECTION III - PHYSICAL DATA**

**BOILING POINT:** N/A  
**MELTING POINT:** approx. 900°F.  
**SPECIFIC GRAVITY:** N/A  
**VAPOR PRESSURE:** N/A  
**PERCENTAGE OF VOLATILITY BY VOLUME:** N/A

**VAPOR DENSITY (AIR =1):** N/A  
**EVAPORATION RATE (ETHER =1):** N/A  
**SOLUBILITY IN WATER:** Very soluble  
**APPEARANCE AND ODOR:** White granular mixture  
**PH 10% BY WEIGHT AQUEOUS SOLUTION:** 12+

**SECTION IV - FIRE AND EXPLOSION DATA**

**FLASH POINT (F):** Not combustible  
**AUTOIGNITION TEMPERATURE:** Non flammable  
**FLAMMABLE LIMITS IN AIR % BY VOLUME:** UPPER: N/A LOWER: N/A  
**EXTINGUISHING MEDIA:** This product is not combustible. Water spray, foam, carbon dioxide, or dry chemical may be used in areas where this product is stored.  
**SPECIAL FIRE FIGHTING MEDIA:** Wear full protective clothing. Avoid direct contact of this product with water as this can cause violent exothermic reaction.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** See Section VI - Reactivity

**SECTION V - HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE (TLV):** Unknown for mixture – See Section II

**EFFECTS OF OVEREXPOSURE:**

**ACUTE:** Corrosive to all body tissues which it comes in contact. The effect of local dermal exposure may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis. Similarly, inhalation of dust, spray, or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and an increased susceptibility to respiratory illness.

**CHRONIC:** No known chronic effects.

**HUMAN DERMAL EXPOSURE:** Regardless of concentration, the severity of damage and extent of its irreversibility increases with length of contact time. Prolonged contact with even dilute sodium hydroxide solution can cause a high degree of tissue destruction. The latent period, following skin contact during which no sensation of irritation occurs, varies from several hours for 0.4 – 4% solutions to 3 minutes with 25-50% solutions.

**ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES:**

Object is to flush material out immediately then seek medical attention. Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. Seek medical attention immediately.

**SKIN:** Immediately wash contaminated areas with plenty of water for at least 15 minutes. Remove contaminated clothing and footwear and wash clothing before reuse. Discard footwear which cannot be decontaminated. Seek medical attention immediately.

**INHALATION:** Remove to fresh air; if breathing is difficult, have trained person administer oxygen. If respiration stops, give mouth-to-mouth resuscitation. Get medical attention.

**INGESTION:** Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. If vomiting occurs spontaneously, keep airway clear. Seek medical attention immediately.

**ROUTES OF EXPOSURE:**

**INHALATION:** Airborne concentrations of dust, mist or spray of this product may cause damage to the upper respiratory tract and the lung tissue which could product chemical pneumonia depending upon severity of exposure.

**SKIN:** This product is destructive to tissues contacted and produces severe burns. A latent period may exist between exposure and sense of irritation.

**EYE CONTACT:** This product is destructive to eye tissues on contact. Will cause severe burns that result in damage to the eyes and even blindness.

**INGESTION:** This product, if swallowed, can cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus, and stomach.

**SECTION VI - REACTIVITY DATA**

**INSTABILITY:** Under normal conditions of use, this material is stable.

**INCOMPATIBILITY:** Avoid contact with water. This product may be added slowly to water or acids with dilution and constant stirring to avoid a violent exothermic reaction. When handling this product, avoid contact with aluminum, tin, zinc, and alloys containing these metals. Do not mix with strong acids without dilution and agitation to prevent violent or explosive reaction. Avoid contact with leather, wool, acids, organic halogen compounds, and organic nitro compounds.

**DECOMPOSITION:** Aqueous solutions may liberate hydrogen upon reaction with metals listed above. Contact with organic halogen compounds will liberate chlorine.

**POLYMERIZATION:** Not known to polymerize.

**CONDITIONS TO AVOID:** Contact with incompatible materials listed above.

**SECTION VII - SPILL OR LEAK PROCEDURES**

**SPILL, LEAK OR RELEASE:** If trained in accordance to 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned up immediately. Liquid spills should be removed by using a vacuum truck. Solid spills should be scooped up and placed in approved containers for disposal. Neutralize remaining traces of material with any dilute mineral acid. The spill area should then be flushed with water followed by liberal covering of sodium bicarbonate. All clean-up material should be removed and placed in approved containers, labeled and stored in a safe place to await proper treatment or disposal. Spills on areas other than pavement, e.g., dirt or sand, may be handled by removing the affected soils and placing in approved containers. Persons performing clean-up work should wear adequate personal protective equipment and clothing. Spills or releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

**WASTE DISPOSAL:** Discharge to a disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** Respiratory protection is not required under normal use. Use NIOSH/MSHA approved respirator where dust, mist, or spray may be generated.

**VENTILATION:** Working solution mechanical 200 CFM.

**SPECIAL:** N/A

**OTHER:** N/A

**PROTECTIVE GLOVES:** Chemical resistant gloves should be worn and may be decontaminated by washing with mild soap and water. Natural and butyl rubber are suggested.

**EYE PROTECTION:** Wear chemical safety glasses plus full-face shield to protect against splashing.

**OTHER PROTECTIVE EQUIPMENT:** Impervious protective clothing and chemically resistant safety shoes should be worn to minimize contact. Wash contaminated clothing with soap and water and dry before reuse. Showers and eyewash facilities should be in close proximity.

## SECTION IX - SPECIAL PRECAUTIONS

**HANDLING AND STORAGE:** Do not get in eyes, on skin, or clothing. Avoid breathing dust, mist, or spray. Do not take internally. Use with adequate ventilation and employ respiratory protection when exposure to dust, mist or spray is possible. When handling, wear chemical splash goggles, face shield, rubber gloves and protective clothing. Wash thoroughly after handling or contact – exposure can cause burns which are not immediately painful or visible. Keep container closed. Product can react violently with water, acids, and other substances – read special mixing and handling instructions below carefully before using. Product is corrosive to tin, aluminum, zinc and alloys containing these metals, and will react violently with these metals in powder form.

**SPECIAL MIXING AND HANDLING INSTRUCTIONS:** Product can react violently with water. Considerable heat is generated when product is mixed with water. Therefore, when making solutions always carefully follow these steps:

- Always wear all protective clothing. Never add water to product. Always add product – with constant stirring – slowly to surface of lukewarm (80-100f.) Water, to assure product is being completely dissolved as it is added.
- If product is added too rapidly – or without stirring, and becomes concentrated at bottom of mixing vessel, excessive heat may be generated resulting in dangerous boiling and spattering and a possible immediate and violent eruption of highly caustic solution.

Product can react explosively with acids, aldehydes, and many other organic chemicals – when mixing product with solutions containing such chemicals, follow all of above mixing instruction, and add product very gradually, while stirring constantly.

Always empty and clean containers of all residues before adding product to avoid possible explosive reaction between product and unknown residue.

## SECTION X - TRANSPORTATION REQUIREMENTS

**PROPER SHIPPING NAME:** CORROSIVE SOLIDS, N.O.S. (SODIUM HYDROXIDE)

**HAZARD CLASS:** 8

**PKG. GROUP:** II

**ID NUMBER:** UN1759

**DOT GUIDE:** 154

## SECTION X1 – SPECIAL PRECAUTIONS

When replenishing working solutions add material very slowly and cautiously with continuous stirring. Never add this material to solutions of temperatures of 100°F. Or higher. Never add this material to any solutions other than cool water or cool solutions of the material.

When adding water to working solutions to replenish evaporative loss add very slowly and cautiously against back wall of process tank. Under no circumstances add water to working baths of operating temperature unless the bath is boiling moderately or is mechanically agitated. Any water added to working solutions should be at temperatures of 90 f. Or less.

## NOTICE

WHILE THE INFORMATION AND RECOMMENDATIONS GIVEN ARE BELIEVED TO BE ACCURATE, HUBBARD-HALL INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, AND ASSUMES NO LIABILITY WITH RESPECT TO USE OF THIS INFORMATION.



ENVIRO-CHEM  
LABORATORIES, INC.

100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Eastern Plating Company  
1200 South Baylis Street  
Baltimore, MD 21224-

PROJECT NAME:  
REPORT DATE: 26-Feb-08

LAB#- ECL015295-002      SAMPLE ID- Black Oxide Sludge  
LOCATION-  
DATE SAMPLED- 2/15/2008      TIME SAMPLED-      SAMPLER- A. Amasia  
DATE RECEIVED- 2/19/2008      TIME RECEIVED- 14:15  
DELIVERED BY- A. Amasia      RECEIVED BY- SES

Page 2 of 4

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
TCLP Extraction	EPA 1311				
Arsenic in TCLP Extract	EPA 6010	2/25/2008 10:30	CHK	< 0.050 mg/L	0.050
Barium in TCLP Extract	EPA 6010	2/25/2008 10:30	CHK	< 0.020 mg/L	0.020
Cadmium in TCLP Extract	EPA 6010	2/25/2008 10:30	CHK	< 0.005 mg/L	0.005
Chromium in TCLP Extrac	EPA 6010	2/25/2008 10:30	CHK	0.015 mg/L	0.010
Lead in TCLP Extract	EPA 6010	2/25/2008 10:30	CHK	< 0.050 mg/L	0.050
Mercury in TCLP Extract	EPA 7470	2/25/2008 14:49	CHK	< 0.001 mg/L	0.001
Selenium in TCLP Extrac	EPA 6010	2/25/2008 10:30	CHK	< 0.050 mg/L	0.050
Silver in TCLP Extract	EPA 6010	2/25/2008 10:30	CHK	< 0.010 mg/L	0.010

## **Response # 6**

6. Four 55-gallon drums were observed on a pallet (attachment 1 – photo 22) and two 55-gallon drums observed near the storage area (attachment – photo 25).

- a. The drums contained ammonium bifluoride from our process tanks. Ammonium bifluoride is used in our process to etch aluminum. The ammonium bifluoride was transferred from the process tanks to the drums.
- b. Each of the drums contained ammonium bifluoride and water. This was determined by process knowledge and verified using our lab procedures.
- c. The material was pumped into the drums in 2006 for possible reuse. We do not have the specified date available.
- d. Attachment 6a contains the MSDS for ammonium bifluoride.
- e. The material was determined to be non-hazardous liquid.
- f. It was determined to be non-hazardous liquid at the time the drums were filled.
- g. The contents of the drums were determined to be non-hazardous liquid.
- h. The determination that the ammonium bifluoride is non-hazardous liquid was made and verified many years ago by our lab, by the MSDS and by our process which contains no hazardous materials. Attachment 6b contains the analysis report of the drums' contents.
- i. The contents were not shipped off-site.
- j. The contents were not shipped off-site.
- k. The contents were not shipped off-site.

ATTACHMENT 6A

**Material Safety Data Sheet****WEGO CHEMICAL & MINERAL CORP****239 Great Neck Road****Great Neck, NY 11021****Phone: (516) 487 3510; email: sales@wegochem.com**

Date of Preparation: 7/2005

**Ammonium Bifluoride****Section 1 - Chemical Product and Company Identification****Product/Chemical Name:** Ammonium Bifluoride**Chemical Formula:**  $\text{NH}_4\text{HF}_2$ **CAS Number:** 1341-49-7**Other Designations:** acid ammonium fluoride, ammonium acid fluoride, ammonium hydrogen bifluoride, ammonium hydrogen difluoride, ammonium hydrogen fluoride**Derivation:** Produced by reaction of ammonium hydroxide with hydrofluoric acid and subsequent crystallization.**General Use:** As a chemical reagent, sterilizer for brewery, dairy, and other equipment, "sour" in laundering cloth, mordant for aluminum; in manufacture of magnesium and magnesium alloys, lab production of hydrogen fluoride, electroplating, processing beryllium, etching glass, and to acidify wells.**Emergency Telephone:** 1-800-424-9300 (Chemtrec)**Section 2 - Composition / Information on Ingredients**

Ingredient Name	CAS Number	EINECS/ELINCS	% wt or % vol
Ammonium Bifluoride	1341-49-7	215-676-4	100

**OSHA PEL\***8-hr TWA: 2.5 mg/m<sup>3</sup>**ACGIH TLV\***TWA: 2.5 mg/m<sup>3</sup>**NIOSH REL\***10-hr TWA: 2.5 mg/m<sup>3</sup>**DFG (Germany) MAK\***TWA: 2.5 mg/m<sup>3</sup>, total dust

Category II: Substances with systemic effects

Half-life: 2 h to shift length

**IDLH Level\***500 mg/m<sup>3</sup>**Peak Exposure Limit:**12.5 mg/m<sup>3</sup>, 30 min average value, 2/shift

\* Fluorides, as F-

**Section 3 - Hazards Identification****☆☆☆☆ Emergency Overview ☆☆☆☆**

Ammonium bifluoride exists as white, odorless crystals. It is highly toxic; locally because of its corrosive action and systemically because of its conversion to hydrogen fluoride and fluoride ion absorption. Fluoride ion is a direct cellular poison which interferes with calcium and magnesium balances. Chronic exposure can result in fluorosis (see below). It is noncombustible. Exposure to moisture forms hydrofluoric acid which is capable of etching glass, cement, and many metals.

HMIS	
H	3
F	0
R	0
PPE†	
†Sec. 8	

**Potential Health Effects****Primary Entry Routes:** Inhalation, skin and eye contact, ingestion.**Target Organs:** Eye, skin, teeth and bones, kidneys, central nervous system (CNS).**Acute Effects****Inhalation:** May cause irritation (possibly severe) of the respiratory tract. Respiratory stimulation occurs first, followed by depressed respirations. Death may occur from respiratory paralysis.**Eye:** Direct contact can cause corrosive ocular burns.**Skin:** Contact is irritating and may cause an unusual, large, pustular skin rash that appears similar to ballooning of the skin. If skin is moist, formation of hydrofluoric acid can cause serious burns. These burns do not appear serious at first, but may penetrate all the way to the bone.**Ingestion:** Symptoms include digestive tract irritation or corrosion, nausea and vomiting (possibly bloody), bloody diarrhea, abdominal pain, muscle weakness and spasms, dehydration, convulsions, progressive CNS depression (fatigue, coma, and respiratory arrest, even in absence of circulatory failure), cardiac arrhythmias, and excessive potassium and calcium in the blood.**Carcinogenicity:** IARC, NTP, and OSHA do not list Ammonium Bifluoride as a carcinogen.**Medical Conditions Aggravated by Long-Term Exposure:** Kidney or bone disorders.

## Ammonium Bifluoride

**Chronic Effects:** Repeated or prolonged exposure to and absorption of the fluoride ion can cause kidney damage as well as fluorosis (brittle bones, calcified ligaments, and anemia).

### Section 4 - First Aid Measures

**Inhalation:** Remove exposed person to fresh air and support breathing as needed.

**Eye Contact:** *Do not* allow victim to rub or keep eyes tightly shut. Gently lift eyelids and flush immediately and continuously with flooding amounts of water until transported to an emergency medical facility. Consult a physician immediately.

**Skin Contact:** *Quickly* remove contaminated clothing. Rinse with flooding amounts of water for at least 15 min. After rinsing, massage in a 2.5 % calcium gluconate gel until pain is relieved. If pain persists, calcium gluconate injections may be necessary. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious or convulsing person. Contact a poison control center. Unless the poison control center advises otherwise, have the *conscious and alert* person drink 1 to 2 glasses of water to dilute. The decision to induce vomiting is debatable. Its corrosive nature may indicate gastric lavage or binding of the fluoride ion with milk, calcium gluconate, or calcium lactate.

**Other:** Toxic dose is estimated at 5 to 10 mg/kg of fluoride; 30 mL of a 1 % solution in a 10 kg child = 20 mg/kg fluoride.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:** Administration of antacids (magnesium and aluminum) is suggested. Seizures may require Diazepam but can ultimately be corrected by electrolyte stabilization. Monitor EKG, electrolytes, and vital signs. High concentrations of fluoride ion may be present in urine after skin contact. Sucralfate may be helpful in protecting the upper GI tract from acid injury. Consult with a poison control center on current recommendations.

**Special Precautions/Procedures:** Emergency personnel should protect against secondary contamination.

### Section 5 - Fire-Fighting Measures

**Flash Point:** Noncombustible

**Burning Rate:**

**Autoignition Temperature:** Noncombustible

**LEL:** None reported.

**UEL:** None reported.

**Flammability Classification:** non-flammable

**Extinguishing Media:** Do not apply water to adjacent fires because possible contact with ammonium bifluoride will liberate hydrogen fluoride gas capable of etching glass, cement, and many metals.

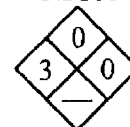
**Unusual Fire or Explosion Hazards:** None reported

**Hazardous Combustion Products:** Include ammonia, nitrogen oxide, and fluorine gases.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

NFPA



### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Notify safety personnel, isolate and ventilate area, deny entry, and stay upwind.

**Small Spills:** To avoid dust generation, carefully scoop into container or vacuum (with appropriate filter). Damp mop any residue (use a dilute solution of sodium bicarbonate to neutralize residue).

**Large Spills**

**Containment:** For large spills, flush to containment area for reclamation or disposal. Do not release into sewers or waterways.

**Cleanup:** Neutralize with sodium bicarbonate, soda ash, slaked lime, or crushed limestone.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Handling Precautions:** Do not use in moist/humid areas.

**Storage Requirements:** Store in plastic, rubber, or paraffined containers. *Do not* use metal containers because of possible corrosion and generation of flammable hydrogen gas (occurs when ammonium bifluoride is exposed to moisture and many metals). Store in a cool, dry, well-ventilated area away from incompatibles (Sec. 10). Keep containers tightly closed.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** Enclose processes wherever possible to prevent dust from entering work areas.

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:** Consider pre-placement and periodic medical exams of exposed workers with emphasis on the CNS, kidneys, skin, and bones.

3

**Ammonium Bifluoride**

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

**Warning!** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

**Section 9 - Physical and Chemical Properties**

**Physical State:** Solid

**Appearance and Odor:** White, odorless, orthorhombic crystals. Hygroscopic if humidity is > 50%.

**Vapor Pressure:** ?? mm Hg at ?? °F (?? °C)

**Vapor Density (Air=1):**

**Formula Weight:**

**Density/Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.5

**pH (5 % solution):** 3.5

**Water Solubility:** 41.5 wt % at 77 °F(25 °C); forms a hydrofluoric acid solution.

**Other Solubilities:** 1.73 wt % in ethanol at 77 °F (25 °C)

**Boiling Point:** 463.1 °F (239.5 °C)

**Freezing/Melting Point:** 256.28 °F (124.6 °C)

**Viscosity:**

**Refractive Index:** 1.390

**Surface Tension:**

**Section 10 - Stability and Reactivity**

**Stability:** Ammonium Bifluoride is stable at room temperature in closed containers under normal storage and handling conditions. In presence of moisture, it will etch glass, cement, and most metals. It may generate flammable hydrogen gas if exposed to moisture and metal at the same time.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Include water, acids, and oxidizers.

**Conditions to Avoid:** Exposure to incompatibles.

**Hazardous Decomposition Products:** Thermal oxidative decomposition of Ammonium Bifluoride can produce fluorine, nitrogen oxide, and ammonia gases.

**Section 11- Toxicological Information****Toxicity Data:\***

**Eye Effects:**

**Skin Effects:**

**Acute Oral Effects:**

Rat, oral, LD<sub>50</sub>: 60 mg/kg

**Chronic Effects:**

**Carcinogenicity:**

**Mutagenicity:**

**Teratogenicity:**

\* See NIOSH, RTECS (BQ9200000, solid); (BQ9205000, solution) for future toxicity data.

**Section 12 - Ecological Information**

**Ecotoxicity:** *Tinca vulgaris*, TLm = 200 ppm/96 hr.

**Environmental Fate:**

**Environmental Degradation:** Ammonium bifluoride is biodegradable and will not accumulate in the food chain.

**Section 13 - Disposal Considerations**

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Container Cleaning and Disposal:** Triple rinse containers and treat rinse water the same as other ammonium bifluoride waste.

## Ammonium Bifluoride

**Section 14 - Transport Information****DOT Transportation Data (49 CFR 172.101):**

**Shipping Name:** Ammonium  
Hydrogendifluoride, solid

**Shipping Symbols:**

**Hazard Class:** 8

**ID No.:** UN1727

**Packing Group:** II

**Label:** Corrosive

**Special Provisions (172.102):** N34,  
N34, T15

**Packaging Authorizations**

a) Exceptions: 173.154

b) Non-bulk Packaging: 173.212

c) Bulk Packaging: 173.240

**Quantity Limitations**

a) Passenger, Aircraft, or Railcar: 15 kg

b) Cargo Aircraft Only: 50 kg

**Vessel Stowage Requirements**

a) Vessel Stowage: A

b) Other: 25, 26, 40

**Section 15 - Regulatory Information****US FEDERAL****TSCA**

CAS# 1341-49-7 is listed on the TSCA inventory.

CAS# 7732-18-5 is listed on the TSCA inventory.

**Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b**

None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

**SARA****CERCLA Hazardous Substances and corresponding RQs**

CAS# 1341-49-7: 100 lb final RQ; 45.4 kg final RQ

**SARA Section 302 Extremely Hazardous Substances**

None of the chemicals in this product have a TPQ.

**SARA Codes**

CAS # 1341-49-7: acute, chronic.

**Section 313**

No chemicals are reportable under Section 313.

**Clean Air Act:**

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:**

CAS# 1341-49-7 is listed as a Hazardous Substance under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 1341-49-7 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations****European Labeling in Accordance with EC Directives****Hazard Symbols:**

T C

**Risk Phrases:**

R 25 Toxic if swallowed.

R 34 Causes burns.

**Safety Phrases:**

S 22 Do not breathe dust.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5

**Ammonium Bifluoride****WGK (Water Danger/Protection)**

CAS# 1341-49-7: 1

CAS# 7732-18-5: No information available.

**Canada - DSL/NDSL**

CAS# 1341-49-7 is listed on Canada's DSL List.

CAS# 7732-18-5 is listed on Canada's DSL List.

**Canada - WHMIS**

This product has a WHMIS classification of D1B, E.

**Canadian Ingredient Disclosure List**

CAS# 1341-49-7 (listed as Fluorides, inorganic) is listed on the Canadian Ingredient Disclosure List.

**Section 16 - Other Information**

**Disclaimer:** All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable. However, it is the users responsibility to determine the safety, toxicity and suitability for its own use of this product. WEGO CHEMICAL & MINERAL CORP. DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THIS PRODUCT.

ENVIRO-CHEM  
LABORATORIES, INC.

100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Eastern Plating Company  
1200 South Baylis Street  
Baltimore, MD 21224-  
Attn Mr. Michael Caster

PROJECT NAME:  
REPORT DATE: 31-Jan-08

LAB#- ECL015089-011    SAMPLE ID- Ammonium Bioflouri    SAMPLE MATRIX- water  
DATE SAMPLED- 1/4/2008    TIME SAMPLED-  
SAMPLER- A. Amasia    SAMPLE SITE-  
DATE RECEIVED- 1/7/2008    TIME RECEIVED- 12:30    RECEIVED BY-CHK

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ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
Arsenic	EPA 200.7	01/15/08	CHK	1.147	mg/L	0.300
Barium	EPA 200.7	01/15/08	CHK	< 0.200	mg/L	0.200
Cadmium	EPA 200.7	01/15/08	CHK	< 0.050	mg/L	0.050
Chromium	EPA 200.7	01/15/08	CHK	0.393	mg/L	0.100
Lead	EPA 200.7	01/15/08	CHK	< 0.50	mg/L	0.50
Mercury	EPA 245.1	01/08/08	CHK	< 0.010	mg/L	0.010
Selenium	EPA 200.7	01/15/08	CHK	< 0.500	mg/L	0.500
Silver	EPA 200.7	01/17/08	CHK	< 0.100	mg/L	0.100



## **Response # 7**

7. Attached please find all manifests and LDR notifications retained by the Pulaski facility for the time period February 1, 2003 through receipt of this letter (attachments 7a – 7s). Please note, no off-site shipments from the Pulaski facility have taken place from 2007 – present.

ATTACHMENT 7B

Eugene Enclaves

ENVIRONMENTAL ENTERPRISES, INC.  
RESTRICTED WASTE NOTIFICATION & CERTIFICATIONGenerator: Eastern Paving CompanyManifest Document No.: 42177State Manifest No. WIS 042177

This shipment contains waste(s) restricted from land disposal under 40 CFR Part 268 and OAC 15:59-59. A copy of this notice and all supporting analysis must be kept for three (3) years.

## INSTRUCTIONS

Column 1: List all waste codes that apply to this waste.

Column 2: Mark the appropriate reactivity Group that applies to the waste at the point of Contact line. (NW (Non-Waste Water) or W (Waste Water))

Waste must be &lt;1% total suspended solids and &lt;1% total organic carbon.

Column 3: Enter legend key for the reactivity that applies to this waste from the subcategory list below.

Column 4: Enter A for Restricted Waste Reactivity Treatment to the Appropriate Treatment Standard. If this does not apply use Restricted Waste Notification Form 01.

Column 5: Fill in 1-D043 or F001-F005, enter the Reference Key. All underlying businesses own licenses that may be present in the waste from EEL's Restricted Waste Notification &amp; Certificate Application for Underlying Businesses Certificate Treatment Standards.

EEL Profile Number	1. Waste Code	2. Treating Group	3. Subcategory Legend (if any)	4. How Waste must be Managed (ASST)	5. Reference # of hazardous constituents in waste (complete for P001-F005 & U001-D043) Soil & Dioxin
14866	D002 D007	ALW		A	244
14867	D040 F002	ALW		A	227

FOR ADDITIONAL PROFILES, USE ATTACHED CONTINUATION FORM.

CERTIFICATION: (Please Sign)

The information provided is true and correct and is based on analysis of a representative sample of the waste in accordance with EPA guidelines Document SW 846 EPA 600/2-90018 or on my knowledge of the waste.

Signature: Michael J. Bellard Title: Owner Date: 4/23/04

## EEL PERMITTED WASTE CODES THAT HAVE SUBCATEGORIES

Code	Legend #	Subcategory
D001	D1A	High TOC ignitable liquids, ≥10% TOC
D001	D1B	Ignitable characteristic waste except high TOC > 10% ignitable liquids
D007	D3A	Reactive Solids
	D3B	Other Reactives
	D3C	Water Reactives
	D3D	Reactive Organics
	D3E	Explosives
D006	D6A	Corrosive Containing Reactives
D006	D6A	Lead Acid Batteries
D009	D9A	Non-hazardous High Mercury Organic Solubility (≥200 ppm total mercury)
	D9B	Non-hazardous High Mercury Organic Solubility
	D9C	Non-hazardous High Mercury Organic Solubility
F001	F3A	Non-hazardous that contains ≤ 240 mg/kg total mercury (Low Mercury Subcategory)
F001	F3A	Wastes that contain only one or more of the following solvents: carbon disulfide, cyclohexane, and/or methanol
F001	F3A	Wastes that contain only one or more of the following solvents: carbon disulfide, cyclohexane, and/or methanol
F001	F3B	Contains only 2,4-Dinitrophenol
F001	F3C	Contains only 2,4-Dinitrophenol
K069	K69A	Calcium Sulfide (Low Lead)
P002	P02A	Non-Calcium Sulfide (High Lead)
P002	P02B	Heavy metals acids from incinerators, regardless of their total mercury content, that are not incinerator residues or one-time residues from RESRC
U051	U151A	All heavy metals acids from incinerators, regardless of their total mercury content, that are not incinerator residues or one-time residues from RESRC
U051	U151B	Non-hazardous that contain less than 240 mg/kg total mercury and are not residues from RESRC
	U151B	All (heavy) metals

## HOW WASTE MUST BE MANAGED

## A. RESTRICTED WASTE REQUIRING THE ATTACHMENT TO THE APPROPRIATE TREATMENT STANDARD

This shipment contains restricted waste that must be treated to comply with applicable treatment standards and/or prohibitions prior to land disposal.

For All other treatment standards see Restricted Waste Notification Form 01.

EPA-RCRA Report Subcategory and Inorganic Treatment Standards	These are EEL's Restricted Waste Notification & Certificate Addendum for Underlying Businesses Certificate Treatment Standards for treatment standard	Legend
<b>F001 &amp; F002</b>	<b>F003</b>	<b>F004</b>
43) Carbon Tetrachloride	4) Acetone	44 & 46) Olefins
43) Chlorobenzene	35) Ethyl Alcohol	44 & 46) Olefins (m & p isomers)
43) o-Chlorophenol	46) Cyclohexane	44 & 46) Olefins
157) Methylamine Chloride	173) Ethyl Acetate	Acid Alcohol (a.m.)
214) Trichloroethylene	173) Ethyl Benzene	Acid Alcohol (a.m.)
226) 1,1,2-Trichloroethylene	174) Ethyl Ether	46) o-Cresol
226) 1,1,2-Trichloroethylene	159) Methanol	179) Nitrobenzene
233) 1,1,2-Trichloro-1,2,2,2-Tetrafluoroethane	159) Methyl Ethyl Ketone	
233) Trichloroethylene	238) Xylene	
227) Trichloroethylene		
228) Trichloroethylene		
Environmental Enterprises, Inc.	Restricted Waste Notification Form 01	Revised 6/01

**LAND DISPOSAL NOTIFICATION/CERTIFICATION  
FORM for PROCESS WASTES**

Envirite of Pennsylvania, Inc.

The purpose of this document is to provide notification — and if appropriate, certification — relating to the waste referenced herein, as required by the land disposal restrictions codified at 40 CFR Part 268.

Instructions for completing this form: For each waste stream referenced on this form, please complete Sections 1 through 5, Section 7, and other sections as applicable. To complete Section 7, please note that only one type of notification (and/or certification) will apply to a waste stream, so please consult the following table for further instructions. Complete Section 6 only if a waste subcategory applies. Complete Section 8 only for characteristic wastes, if required by regulation. Signatures must be provided only by an authorized generator representative.

If the waste ...,	and/but if ...,	then also complete section
is F or K code waste,	and it fails LDRs,	9
is F or K code waste,	and it meets LDRs,	10
is D code waste,	and it fails LDRs for the hazardous characteristic & UHCs,	9
was D code waste,	and it meets LDRs for the D code, but fails for UHCs,	11
was D code waste,	and it meets LDRs for both the D code and all UHCs,	12

**SECTION 1**

Generator's Name: Eastern Plating Co.

Generator's EPA #: MDD063215453

Pick-up Address: 1200 South Baylis Street; Baltimore, MD 21224

Manifest Document Number: 94213

State Manifest Document Number: PAC294213

SECTION 2	SECTION 3	SECTION 4	SECTION 5	SECTION 6	SECTION 7
Manifest Item #	Envirite Approval #	EPA Hazardous Waste Number ("Waste Code")	Treatability Group: Wastewater (WW) or Nonwastewater (NWW)	Subcategory (if applicable)	Type of Notification/ Certification (fill in the blank)
11a	Y 3245	D002, D005, D007, D008	WW	Corrosive - Acid	See section 8, 9
					See section _____
					See section _____
					See section _____

**SECTION 8** Underlying Hazardous Constituents (UHCs) (For each waste stream for which they must be identified, please identify all UHCs, or indicate that they are identified in an attachment to this form.)

Total Cyanide 8.0 mg/L Nickel 140 mg/L

**SECTION 9** To be land disposed, this waste must meet applicable land disposal restriction treatment standards in 40 CFR 268 Subpart D.

Printed Name: MELVIN L. POLLARD Signature: Melvin L. Pollard Date: 7-10-03

**SECTION 10** I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR part 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Printed Name:

Signature:

Date:

**SECTION 11** I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Printed Name:

Signature:

Date:

**SECTION 12** I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic and that underlying hazardous constituents, as defined in § 268.2(i) have been treated on-site to meet the § 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Printed Name:

Signature:

Date:

730 Vogelsong Road York, PA 17404 Phone: (717) 846-1900 Fax: (717) 854-6757

**LAND DISPOSAL NOTIFICATION/CERTIFICATION  
FORM for PROCESS WASTES**

Envirite of Pennsylvania, Inc.

The purpose of this document is to provide notification — and if appropriate, certification — relating to the waste referenced herein, as required by the land disposal restrictions codified at 40 CFR Part 268.

Instructions for completing this form: For each waste stream referenced on this form, please complete Sections 1 through 5, Section 7, and other sections as applicable. To complete Section 7, please note that only one type of notification (and/or certification) will apply to a waste stream, so please consult the following table for further instructions. Complete Section 6 only if a waste subcategory applies. Complete Section 8 only for characteristic wastes, if required by regulation. Signatures must be provided only by an authorized generator representative.

If the waste ...,	and/or if ..,	then also complete section
is F or K code waste,	and it fails LDRs,	9
is F or K code waste,	and it meets LDRs,	10
is D code waste,	and it fails LDRs for the hazardous characteristic & UHCs,	9
was D code waste,	and it meets LDRs for the D code, but fails for UHCs,	11
was D code waste,	and it meets LDRs for both the D code and all UHCs,	12

**SECTION 1**

Generator's Name: Eastern Plating Co.

Generator's EPA #: MDD063215453

Pick-up Address: 1200 South Baylis Street; Baltimore, MD 21224

Manifest Document Number: 7420 27812

State Manifest Document Number: PA11027812 (118)

PA11027812 (118)  
PA6294420

SECTION 2	SECTION 3	SECTION 4	SECTION 5	SECTION 6	SECTION 7
Manifest Item #	Envirite Approval #	EPA Hazardous Waste Number ("Waste Code")	Treatability Group: Wastewater (WW) or Nonwastewater (NWW)	Subcategory (if applicable)	Type of Notification/Certification (fill in the blank)
11a	Y 3245	D002, D005, D007, D008	WW	Corrosive - Acid	See section <u>8, 9</u>
					See section _____
					See section _____
					See section _____

**SECTION 8**

Underlying Hazardous Constituents (UHCs) (For each waste stream for which they must be identified, please identify all UHCs, or indicate that they are identified in an attachment to this form.)

Total Cyanide 8.0 mg/L Nickel 140 mg/L

**SECTION 9**

To be land disposed, this waste must meet applicable land disposal restriction treatment standards in 40 CFR 268 Subpart D.

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**SECTION 10**

I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR part 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**SECTION 11**

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**SECTION 12**

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic and that underlying hazardous constituents, as defined in § 268.2(i) have been treated on-site to meet the § 268.43 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

730 Vogel song Road York, PA 17404 Phone: (717) 846-1900 Fax: (717) 854-6757

Generator Copy

**MARYLAND DEPARTMENT OF THE ENVIRONMENT**  
 2500 Broening Highway Baltimore, Maryland 21224  
 (410) 631-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>  
**HAZARDOUS WASTE PROGRAM**  
**HAZARDOUS WASTE MANIFEST**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>				<b>1. Generator's US EPA ID No.</b>  _   _   _   _   _   _   _   _   _   _		<b>Manifest Document No.</b>  _   _   _   _   _   _   _   _   _   _		<b>2. Page 1 of 1</b>		<b>Information in the shaded areas is not required by Federal law.</b>			
<b>3. Generator's Name and Mailing Address</b>  						<b>A. State Manifest Document Number</b> <b>MDC 0989396</b>							
						<b>B. State Generator's ID</b> <b>C. State Transporter's ID</b> HWH       DC							
<b>4. Generator's Phone ( )</b>  _   _   _   _   _   _   _   _   _   _						<b>D. Transporter's Phone</b> <b>E. State Transporter's ID</b> HWH       DC							
<b>5. Transporter 1 Company Name</b>  _   _   _   _   _   _   _   _   _   _						<b>F. Transporter's Phone</b> <b>G. State Facility ID</b> <b>H. Facility's Phone</b>  _   _   _   _   _   _   _   _   _   _							
<b>6. US EPA ID Number</b>  _   _   _   _   _   _   _   _   _   _													
<b>7. Transporter 2 Company Name</b>  _   _   _   _   _   _   _   _   _   _													
<b>8. US EPA ID Number</b>  _   _   _   _   _   _   _   _   _   _													
<b>9. Designated Facility Name and Site Address</b>  _   _   _   _   _   _   _   _   _   _     _   _   _   _   _   _   _   _   _   _						<b>10. US EPA ID Number</b>  _   _   _   _   _   _   _   _   _   _							
<b>11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)</b> <b>a.</b>  _ <b>b.</b>  _ <b>c.</b>  _ <b>d.</b>  _						<b>12. Containers</b> No. Type		<b>13. Total Quantity</b>		<b>14. Unit Wt/Vol</b>		<b>I. Waste No.</b>	
						- 20m		11 - G					
		40G		220 - G									
<b>J. Additional Descriptions for Materials Listed Above</b>						<b>K. Handling Codes for Wastes Listed Above</b>							
Haz. Code Physical State Specific Gravity Percentage						Haz. Code Physical State Specific Gravity Percentage							
a.  _ b.  _						c.  _ d.  _							
<b>15. Special Handling Instructions and Additional Information</b>  													
<b>16. GENERATORS CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.  Printed/Typed Name _____ Signature _____ Month Day Year ____/____/____													
<b>17. Transporter 1 Acknowledgement of Receipt of Materials</b>						<b>Date</b>							
Printed/Typed Name _____ Signature _____						Month Day ____/____/____							
<b>18. Transporter 2 Acknowledgement of Receipt of Materials</b>						<b>Date</b>							
Printed/Typed Name _____ Signature _____						Month Day ____/____/____							
<b>19. Discrepancy Indication Space</b>  													
<b>20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.</b>													
Printed/Typed Name _____ Signature _____						Date Month Day ____/____/____							

GENERATOR

TRANSPORTER

FACILITY

ATTACHMENT 7F

2500 Broening Highway Baltimore, Maryland 21224  
(410) 631-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>  
**HAZARDOUS WASTE PROGRAM**  
**HAZARDOUS WASTE MANIFEST**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039.

in case of an emergency or spill, immediately call the National Response Center at (800) 424-8802 and the MDE at (410) 631-3400. Nights and Holidays at (410) 974-3551.

UNIFORM HAZARDOUS WASTE MANIFEST				1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address 7515 ...								A. State Manifest Document Number MDC 0989362					
								B. State Generator's ID					
4. Generator's Phone (410) 574-...								C. State Transporter's ID					
5. Transporter 1 Company Name				6. US EPA ID Number				HWH		DC			
7. Transporter 2 Company Name				8. US EPA ID Number				HWH		DC			
9. Designated Facility Name and Site Address ...								F. Transporter's Phone					
								G. State Facility ID					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)								H. Facility's Phone					
12. Containers No. Type						13. Total Quantity		14. Unit Wt/Vol		1. Waste No.			
a. ...													
b. ...													
c. ...													
d. ...													
J. Additional Descriptions for Materials Listed Above								K. Handling Codes for Wastes Listed Above					
Haz. Code Physical State Specific Gravity Percentage				Haz. Code Physical State Specific Gravity Percentage				a. b. c. d.					
a. b. c. d.				c. d.				b. d.					
15. Special Handling Instructions and Additional Information ...													
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name				Signature				Month Day Year					
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature				Date					
Printed/Typed Name				Signature				Month Day Year					
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature				Date					
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name				Signature				Date					
Printed/Typed Name				Signature				Month Day Year					

MDC 0989362

**ENVIRONMENTAL ENTERPRISES, INC.**  
**RESTRICTED WASTE NOTIFICATION & CERTIFICATION**

Generator: Eastern Plating Company Manifest Document No: 898362 State Manifest No: MD00989362

This shipment contains waste(s) restricted from land disposal under 40 CFR Part 268 and OAC Chapter 3745-59. A copy of this notice and all supporting analysis must be kept for three (3) years.

**INSTRUCTIONS**

Column 1: List all waste codes that apply to this waste.

Column 2: Mark the appropriate treatability Group that applies to the waste at the point of Generation. NWW (Non-Waste Water) or WW (Waste Water)  
 Wastewater is <1% total suspended solids and <1% total organic carbon.

Column 3: Enter legend if any for the subcategory that applies to this waste from the subcategory list below.

Column 4: Enter A for Restricted Waste Requiring Treatment to the Appropriate Treatment Standard. If this does not apply use Restricted Waste Notification Form 03.

Column 5: If D001-D043 or F001-F005, enter the Reference # for All underlying hazardous constituents that may be present in the waste from EEI's Restricted Waste Notification & Certificate Addendum for Underlying Hazardous Constituent Treatment Standards.

EEI Profile Number	1. Waste Code	2. Treatability Group	3. Subcategory Legend (if any)	4. How Waste must be Managed (A-N)	5. Reference # of hazardous constituents in waste (complete for F001-F005 & D001-D043) Soil & Debris
X46371	D007	NWW		A	

FOR ADDITIONAL PROFILES, USE ATTACHED CONTINUATION FORM.

**CERTIFICATION! (Please sign)**

The information provided is true and correct and is based on analysis of a representative sample of the waste in accordance with EPA guidelines Document SW-846 EPA 600/12-80018 or on my thorough knowledge of the waste.

Signature: [Signature] Title: [Signature] Date: 1-30-03

**EEI PERMITTED WASTE CODES THAT HAVE SUBCATEGORIES**

Codes	Legend #	Subcategory
D001	D1A	High TOC ignitable liquids. ≥10% TOC
	D1B	Ignitable characteristic wastes except high TOC >10% ignitable liquids
D003	D3A	Reactive Sulfides
	D3B	Other Reactives
	D3C	Water Reactive
	D3D	Reactive Cyanide
	D3E	Explosives
D006	D6A	Cadmium Containing Batteries
D008	D8A	Lead Acid Batteries
D009	D9A	Non-wastewater High Mercury-Organic Subcategory (≥ 260 PPM total Mercury)
	D9B	Non-wastewater High Mercury-Inorganic Subcategory
	D9C	Non-wastewater that contains ≤ 260 mg/kg total mercury (Low Mercury Subcategory)
F003	F3A	Wastes that contain only one or more of the following solvents: carbon disulfide, cyclohexanone, and/or methanol
F005	F5A	Wastes that contain only one or more of the following solvents: carbon disulfide, cyclohexanone, and/or methanol
	F5B	Contains only 2-Nitropropane
	F5C	Contains only 2-Ethoxyethanol
K069	K69A	Calcium Sulfate (Low Lead)
	K69B	Non-Calcium Sulfate (High Lead)
P092	P92A	Phenyl mercuric acetate non-wastewaters, regardless of their total mercury content, that are not incinerator residues or are not residues from RMERC
	P92B	All phenyl mercury acetate wastewaters
U151	U151A	Non-wastewaters that contain less than 260 mg/kg total mercury and are not residues from RMERC
	U151B	All (mercury) wastewaters

**HOW WASTE MUST BE MANAGED**

**A. RESTRICTED WASTE REQUIRING TREATMENT TO THE APPROPRIATE TREATMENT STANDARD**

This shipment contains restricted waste that must be treated to comply with applicable treatment standards and/or prohibitions prior to land disposal.  
 For All other treatment standards use Restricted Waste Notification Form 03.

**F001-F005 Spent Solvent and Inorganic Treatment Standards:**

Please see 'EEI's Restricted Waste Notification & Certificate Addendum for Underlying Hazardous Constituent Treatment Standards' for treatment standard

<u>F001 &amp; F002</u>	<u>F003</u>	<u>F004</u>	<u>F005</u>	<u>Inorganics</u>
44) Carbon Tetrachloride	4) Acetone	65 & 66) Cresols	25) Benzene	239) Antimony
48) Chlorobenzene	35) n-Butyl Alcohol	(m & p isomers)	43) Carbon Disulfide	240) Arsenic
81) o-Dichlorobenzene	68) Cyclohexanone	64, 65, & 66) Cresylic	144) Isobutyl Alcohol	241) Barium
157) Methylene Chloride	121) Ethyl Acetate	Acid Mixed (o, m, & p isomers)	158) Methyl Ethyl Ketone	242) Beryllium
214) Tetrachloroethylene	122) Ethyl Benzene	64) o-Cresols	206) Pyridine	243) Cadmium
225) 1,1,1-Trichloroethane	124) Ethyl Ether	170) Nitrobenzene	219) Toluene	244) Chromium
226) 1,1,2-Trichloroethane	150) Methanol			245) Cyanide (total)
233) 1,1,2-Trichloro-1,2,2-Trifluoroethane	159) Methyl Isobutyl Ketone			246) Cyanide (amenable)
227) Trichloroethylene	238) Xylene			247) Fluoride
228) Trichloromonofluoromethane				248) Lead
				249) Mercury
				(NWW from retort)
				250) Mercury
				(all others)
				251) Nickel
				252) Selenium
				253) Silver
				254) Sulfide
				255) Thallium
				256) Vanadium
				257) Zinc



ATTACHMENT 76

**MARYLAND DEPARTMENT OF THE ENVIRONMENT**  
**2500 Broening Highway Baltimore, Maryland 21224**  
**(410) 631-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us**  
**HAZARDOUS WASTE PROGRAM**  
**HAZARDOUS WASTE MANIFEST**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST				1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address								A. State Manifest Document Number <b>MDC 0989376</b>							
4. Generator's Phone ( ) - -								B. State Generator's ID							
5. Transporter 1 Company Name				6. US EPA ID Number				C. State Transporter's ID HWH DC							
7. Transporter 2 Company Name				8. US EPA ID Number				D. Transporter's Phone							
9. Designated Facility Name and Site Address				10. US EPA ID Number				E. State Transporter's ID HWH DC							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)								12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
a.															
b.															
c.															
d.															
J. Additional Descriptions for Materials Listed Above								K. Handling Codes for Wastes Listed Above							
Haz. Code Physical State Specific Gravity Percentage				Haz. Code Physical State Specific Gravity Percentage				a.				c.			
a.				c.				b.				d.			
b.				d.											
15. Special Handling Instructions and Additional Information															
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name				Signature				Month		Day		Year			
Stanley Boswell				Stanley Boswell				1		4		97			
17. Transporter 1 Acknowledgement of Receipt of Materials								Date							
Printed/Typed Name				Signature				Month		Day					
Lance H. H. H.				[Signature]				1		7					
18. Transporter 2 Acknowledgement of Receipt of Materials								Date							
Printed/Typed Name				Signature				Month		Day					
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.															
Printed/Typed Name				Signature				Date							
Zoe C. C.				Zoe C. C.				Month		Day					
								1		7					



ATTACHMENT 7H

MARYLAND DEPARTMENT OF THE ENVIRONMENT  
2500 Broening Highway Baltimore, Maryland 21224  
(410) 631-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>  
**HAZARDOUS WASTE PROGRAM**  
**HAZARDOUS WASTE MANIFEST**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST				1. Generator's US EPA ID No.				Manifest Document No.				2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address										A. State Manifest Document Number <b>MDC 0989382</b>									
4. Generator's Phone ( )										B. State Generator's ID									
5. Transporter 1 Company Name					6. US EPA ID Number					C. State Transporter's ID HWH <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> DC <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>									
7. Transporter 2 Company Name					8. US EPA ID Number					D. Transporter's Phone									
9. Designated Facility Name and Site Address					10. US EPA ID Number					E. State Transporter's ID HWH <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> DC <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)										12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. <i>Acetone, 100% (UN 1203, 3, 1.2)</i>										1		100		L		1			
b. <i>Acetone, 100% (UN 1203, 3, 1.2)</i>										1		100		L		1			
c. <i>Acetone, 100% (UN 1203, 3, 1.2)</i>										1		100		L		1			
d. <i>Acetone, 100% (UN 1203, 3, 1.2)</i>										1		100		L		1			
J. Additional Descriptions for Materials Listed Above										K. Handling Codes for Wastes Listed Above									
Haz. Code Physical State Specific Gravity Percentage				Haz. Code Physical State Specific Gravity Percentage				a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				c. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>							
b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				d. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				d. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>							
15. Special Handling Instructions and Additional Information																			
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																			
Printed/Typed Name					Signature					Month Day Year									
17. Transporter 1 Acknowledgement of Receipt of Materials					Signature					Date									
Printed/Typed Name					Signature					Month Day Year									
18. Transporter 2 Acknowledgement of Receipt of Materials					Signature					Date									
Printed/Typed Name					Signature					Month Day Year									
19. Discrepancy Indication Space																			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																			
Printed/Typed Name					Signature					Date									
Printed/Typed Name					Signature					Month Day Year									

GENERATOR  
TRANSPORTER  
FACILITY

MDC 0989382

ATTACHMENT 71

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd Suite 650 Baltimore Maryland 21230-1719  
 (410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

HAZARDOUS WASTE PROGRAM  
 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) HAZARDOUS WASTE MANIFEST Form Approved, OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>MDD981111750</b>		Manifest Document No. <b>13779</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>Eastern Plating - Rosedale</b> <b>7603 Pulaski Highway</b> <b>Rosedale, MD 21237</b>						A. State Manifest Document Number <b>MDC 1042173</b>			
4. Generator's Phone ( ) <b>(410) 878-5500</b>						B. State Generator's ID Number <b>1042173</b>			
5. Transporter's 1. Company Name <b>Midwest Environmental Transport, Inc.</b>						C. State Transporter's ID <b>MD00000000539</b>			
7. Transporter's 2. Company Name						D. Transporter's Phone <b>(513) 778-1145</b>			
9. Designated Facility Name and Site Address <b>Environmental Enterprises, Inc.</b> <b>4650 Spring Grove Avenue</b> <b>Cincinnati, OH 45232</b>						E. State Transporter's ID Number <b>HWH</b>			
10. US EPA ID Number <b>LOHD083377010</b>						F. Transporter's Phone <b>513 541 1823</b>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <b>RQ, Waste Methyl ethyl ketone, 3, UN1193, PGII (D001 D035 F005)</b>						G. State Facility ID <b>1042173</b>			
12. Containers						H. Facility's Phone <b>513 541 1823</b>			
a. <b>Waste Toxic, liquids, organic, n.o.s. (N-Propyl bromide, 2-Propanol), 6.1, UN2810, PGII</b>						Total Quantity <b>165 G</b>			
b. <b>Waste Toxic, liquids, organic, n.o.s. (N-Propyl bromide, 2-Propanol), 6.1, UN2810, PGII</b>						Unit <b>1 DM</b>			
c. <b>Waste Toxic, liquids, organic, n.o.s. (N-Propyl bromide, 2-Propanol), 6.1, UN2810, PGII</b>						Weight <b>55 G</b>			
d. <b>Waste Toxic, liquids, organic, n.o.s. (N-Propyl bromide, 2-Propanol), 6.1, UN2810, PGII</b>						Volume <b>1 DM</b>			
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Emergency Response Coordinator. (800) 392-1503 and call 911</b>						16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable, international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.			
Printed/Typed Name <b>Justin Wright</b>						Signature <b>Justin Wright</b>			
17. Transporter 1 Acknowledgement of Receipt of Materials						Date <b>10/4/23/04</b>			
Printed/Typed Name <b>Brian J. Hunter</b>						Signature <b>Brian J. Hunter</b>			
18. Transporter 2 Acknowledgement of Receipt of Materials						Date <b>10/4/23/04</b>			
Printed/Typed Name <b>Justin Wright</b>						Signature <b>Justin Wright</b>			
19. Discrepancy Indication Space						Date <b>10/4/23/04</b>			
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Date <b>10/4/23/04</b>			
Printed/Typed Name <b>Dale Campbell</b>						Signature <b>Dale Campbell</b>			

MDC

1042173

ATTACHMENT 7J

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
 (410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

HAZARDOUS WASTE PROGRAM  
 HAZARDOUS WASTE MANIFEST Form Approved OMB No. 2050-0039

1. Generator's US EPA ID No. <b>MDD98111175042165</b>		2. Page 1 of 1	
3. Generator's Name and Mailing Address <b>Eastern Paving - Rosedale</b> <b>7803 Pulaski Highway</b> <b>Rosedale, MD 21237</b>		4. Information in the shaded areas is not required by Federal law.	
5. Generator's Phone (410) 875-8902		A. State Manifest Document Number <b>MDC 1042165</b>	
6. Company Name <b>Environmental Transport, Inc.</b>		B. State Generator's ID Number	
7. US EPA ID Number <b>OH0000000539</b>		C. State Transporter's ID	
8. US EPA ID Number		D. Transporter's Phone	
9. US EPA ID Number		E. State Transporter's ID Number	
10. US EPA ID Number <b>OH083377010</b>		F. Transporter's Phone	
11. Facility Name and Site Address <b>Environmental Enterprises, Inc.</b> <b>Spring Grove Avenue</b> <b>Wadsworth, OH 45232</b>		G. State Facility ID <b>513541001823</b>	

DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	No.	Type	Total Quantity	Unit Wt/Vol	Waste No.
Waste Methyl ethyl ketone, 3, UN1193, PGII (D001 D035 F005)	2	D	110	G	0001 D035
Hazardous waste, solid, n.o.s., (Nickel Acetate, Nickel Hydroxide), 8, 077, PGIII	1	D	55	G	0001 D035

Physical State	Specific Gravity	Percentage	Haz. Code	Physical State	Specific Gravity	Percentage
0410-810-11				0410-810-11		

Emergency Response Coordinator: (800) 392-1803 and call 911

44351 2 x55 ERG # 127

44701 1 x55 ERG # 171 Bx48190

RATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation.

In a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Signature <b>CHAE L SHIMER</b>	Signature <b>Michael Shimer</b>	Month Day Year <b>11-21-01</b>
Signature <b>Jan J. Hunter</b>	Signature <b>B. J. Hunter</b>	Month Day Year <b>11-21-01</b>

Change line item 11 to Waste Corrosive Liquid, (Nickel Acetate, Nickel Hydroxide), 8, UN1260, PG III, I to D002

Signature <b>Joe Campbell</b>	Signature <b>Joe Campbell</b>	Month Day Year <b>10-21-01</b>
----------------------------------	----------------------------------	-----------------------------------

MDC 1042165

ATTACHMENT 1K

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
 (410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

137E

## HAZARDOUS WASTE PROGRAM

## HAZARDOUS WASTE MANIFEST

Form Approved. OMB No. 2050-0039.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>MDD981111750</b>		Manifest Document No. <b>42185</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.																													
3. Generator's Name and Mailing Address <b>Eastern Plating - Rosedale 7803 Pulaski Highway Rosedale, MD 21237</b>						A. State Manifest Document Number <b>MDC 1042185</b>																															
4. Generator's Phone (410) 875-5002						B. State Generator's ID																															
5. Transporter 1 Company Name <b>Midwest Environmental Transport Inc.</b>			6. US EPA ID Number <b>OH00000000539</b>			C. State Transporter's ID HWH <b>442</b> <b>009009</b> DC																															
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone (513) 772-1145																															
						E. State Transporter's ID HWH DC																															
9. Designated Facility Name and Site Address <b>Environmental Enterprises, Inc. 4650 Spring Grove Avenue Cincinnati OH 45232</b>						10. US EPA ID Number <b>OH0083377010</b>																															
						F. Transporter's Phone																															
						G. State Facility ID																															
						H. Facility's Phone <b>513 541 1823</b>																															
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.																									
a. <b>RQ, Waste Methyl ethyl ketone, 3, UN1193, PGII (D001 D035 F005)</b>						<b>XX3 DM</b>		<b>XX165 G</b>				<b>D001 D035 F005</b>																									
b.																																					
c.																																					
d.																																					
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above.																															
<table border="1"> <thead> <tr> <th>Haz. Code</th> <th>Physical State</th> <th>Specific Gravity</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>a. <b>1</b></td> <td><b>1</b></td> <td><b>1</b></td> <td><b>1</b></td> </tr> <tr> <td>b. <b>1</b></td> <td><b>1</b></td> <td><b>1</b></td> <td><b>1</b></td> </tr> </tbody> </table>						Haz. Code	Physical State	Specific Gravity	Percentage	a. <b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	b. <b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<table border="1"> <thead> <tr> <th>Haz. Code</th> <th>Physical State</th> <th>Specific Gravity</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>c. <b>1</b></td> <td><b>1</b></td> <td><b>1</b></td> <td><b>1</b></td> </tr> <tr> <td>d. <b>1</b></td> <td><b>1</b></td> <td><b>1</b></td> <td><b>1</b></td> </tr> </tbody> </table>								Haz. Code	Physical State	Specific Gravity	Percentage	c. <b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	d. <b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
Haz. Code	Physical State	Specific Gravity	Percentage																																		
a. <b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>																																		
b. <b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>																																		
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c. <b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>																																		
d. <b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>																																		
15. Special Handling Instructions and Additional Information <b>11 a. X44351 3 x55 ERG # 127</b>						Emergency Response Coordinator: (800) 382-1503 and call 911																															
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																																					
Printed/Typed Name <b>Amy McGee</b>						Signature <b>Amy McGee</b>				Month Day Year <b>10/7/2010</b>																											
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <b>Glenn Watkins</b>				Month Day Year <b>10/7/2010</b>																											
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature				Month Day Year																											
19. Discrepancy Indication Space																																					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																																					
Printed/Typed Name <b>Steve McCallan</b>						Signature <b>Steve McCallan</b>				Month Day Year <b>10/7/2010</b>																											

1. This form is to be used for the transportation of hazardous waste by highway, rail, water, or air. It is not to be used for the transportation of hazardous waste by other means.

MDC 1042185



ATTACHMENT 7L

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
(410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

137E

HAZARDOUS WASTE PROGRAM  
HAZARDOUS WASTE MANIFEST Form Approved. OMB No. 2050-0039.  
Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>MD0000136366</b>		Manifest Document No. <b>42198</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>Eastern Plating - Rosedale</b> <b>7803 Pulaski Highway</b> <b>Baltimore, MD 21237</b>						A. State Manifest Document Number <b>MDC 1042198</b>							
4. Generator's Phone (410) 875-6002						B. State Generator's ID							
5. Transporter 1 Company Name <b>Midwest Environmental Transport, Inc.</b>						C. State Transporter's ID HWH <b>452 009006</b> DC							
6. US EPA ID Number <b>LOH00000000539</b>						D. Transporter's Phone <b>(513) 772-1145</b>							
7. Transporter 2 Company Name						E. State Transporter's ID HWH DC							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address <b>Environmental Enterprises, Inc.</b> <b>4650 Spring Grove Avenue</b> <b>Cincinnati, OH 45232</b>						G. State Facility ID							
10. US EPA ID Number <b>LOHD083377010</b>						H. Facility's Phone <b>513 541 1823</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. <b>RQ, Waste Methyl ethyl ketone, 3, UN1193, PGII (D001 D035 F005)</b>						<b>XX2 DMXX1106</b>						<b>D001 D035 F005</b>	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State Specific Gravity Percentage						a. <b>H061</b> c.							
b.						b.							
15. Special Handling Instructions and Additional Information <b>11 a. X44351 x55 ERG # 127</b> <b>a) 04-28150-51</b> <b>Emergency Response Coordinator: (800) 392-1503 and call 911</b>													
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>ESPINOZA</b>						Signature <i>[Signature]</i>						Month Day Year <b>100 104</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials						Date							
Printed/Typed Name <b>John WALKINS</b>						Signature <i>[Signature]</i>						Month Day Year <b>100 104</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials						Date							
Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Date							
Printed/Typed Name <b>Steve McClellan</b>						Signature <i>[Signature]</i>						Month Day Year <b>110 11904</b>	

Generator or emergency or call the National Response Center at (800) 424-9302 and the MDE at (410) 537-3400. Nights and Holidays at (866) 633-4666.

MDC 1042198

ATTACHMENT 7M

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
 (410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

137E

## HAZARDOUS WASTE PROGRAM

## HAZARDOUS WASTE MANIFEST

Form Approved. OMB No. 2050-0039.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>				1. Generator's US EPA ID No. <b>MD00000136366</b>		Manifest Document No. <b>48659</b>		2. Page 1 of		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>Eastern Plating - Rosedale 7803 Pulaski Highway Baltimore, MD 21237</b>						A. State Manifest Document Number <b>MDC 1048659</b>					
4. Generator's Phone ( ) <b>(410) 875-5902</b>						B. State Generator's ID					
5. Transporter 1 Company Name <b>Midwest Environmental Transport, Inc.</b>				6. US EPA ID Number <b>OH0000000053</b>		C. State Transporter's ID HWH <b>002</b> <b>009006</b> DC				D. Transporter's Phone <b>(513) 772-1145</b>	
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Transporter's ID HWH DC				F. Transporter's Phone	
9. Designated Facility Name and Site Address <b>Environmental Enterprises, Inc. 4650 Spring Grove Avenue Cincinnati, OH 45232</b>						10. US EPA ID Number <b>LOHD083377010</b>					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. <b>RQ, Waste Methyl ethyl ketone, 3, UN1193, PGII (D001 D035 F005)</b>						<b>xx2DM xx110G</b>		<b>110G</b>		15. Waste No. <b>D001 D035 F005</b>	
b. <b>Hazardous waste, solid, misc (Nickel Acetate, Nickel Hydroxide), 9, NA3077, PGIII</b>										None	
c.											
d.											
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above					
Haz. Code Physical State Specific Gravity Percentage				Haz. Code Physical State Specific Gravity Percentage				a. <b>HA061</b> c.			
a. <b>04-33353-S4</b>				c.				b.			
b.				d.				d.			
15. Special Handling Instructions and Additional Information <b>11 a. X44351 x55 ERG # 127</b> <b>Emergency Response Coordinator: (800) 392-1503 and call 911</b>											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name <b>MICHAEL SHIMER</b>						Signature <i>Michael Shimer</i>		Month Day Year <b>12/20/04</b>		MDC 1048659	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <i>Ben J. Hunter</i>		Month Day Year <b>12/20/04</b>			
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature		Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						Signature <i>Steve McCollan</i>		Month Day Year <b>12/14/04</b>			

In case of an emergency or spill, immediately call the National Response Center at (800) 424-8802 and the MDE at (410) 537-3400. Nights and Holidays at (866) 633-4686.

ATTACHMENT 7N

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
(410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

137E

## HAZARDOUS WASTE PROGRAM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

## HAZARDOUS WASTE MANIFEST

Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address		Eastern Plating - Rosedale		MD00000136366		48674		A. State Manifest Document Number MDC 1048674	
4. Generator's Phone ( )		7803 Pulaski Highway		Baltimore, MD 21237		5. Transporter 1 Company Name		B. State Generator's ID	
5. Transporter 1 Company Name		Midwest Environmental Transport, Inc.		6. US EPA ID Number		7. Transporter 2 Company Name		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address		10. US EPA ID Number		D. State Transporter's ID	
9. Designated Facility Name and Site Address		Environmental Enterprises, Inc.		4650 Spring Grove Avenue		Cincinnati, OH 45232		E. State Transporter's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ, Waste Methyl ethyl ketone, 3, UN1193, PGH (D001 D035 F005)		xx3 DM		yx 165		xx 110 G		D001 D035 F005	
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above							
a. 05-06569-71		a. H061							
b.		b.							
15. Special Handling Instructions and Additional Information		Emergency Response Coordinator: (800) 392-1503 and call 911							
11 a. X44351 3 x55		ERG # 127							
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation.									
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name		Signature		Month		Day		Year	
EPINO7A				10/3		10		105	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month		Day		Date	
Printed/Typed Name		Signature		Month		Day		Date	
Glen Watkins				10/3		10		105	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month		Day		Date	
Printed/Typed Name		Signature		Month		Day		Date	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name		Signature		Month		Day		Date	
Steve McKelvin				10/3		10		105	

# MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
(410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

## HAZARDOUS WASTE PROGRAM HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>MD0000130385</b>		Manifest Document No. <b>40071</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.																													
3. Generator's Name and Mailing Address <b>Exxon Refining - Rosedale</b> <b>7500 Pulaski Highway</b> <b>Baltimore, MD 21221</b>						A. State Manifest Document Number <b>MDC 1048674</b>																															
4. Generator's Phone ( )						B. State Generator's ID Number																															
5. Transporter 1 Company Name						C. State Transporter's ID																															
6. US EPA ID Number						D. Transporter's Phone																															
7. Transporter 2 Company Name						E. State Transporter's ID Number																															
8. US EPA ID Number						F. Transporter's Phone																															
9. Designated Facility Name and Site Address <b>Environmental Enterprises, Inc.</b> <b>1450 Spring Grove Avenue</b>						G. State Facility ID																															
10. US EPA ID Number						H. Facility's Phone																															
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity																													
a. <b>PC Waste (Acetylene, 2.4L, 100% Pure, 2000 Pounds)</b>						No. <b>2</b>		Type <b>DRUM</b>																													
b. <b>PC Waste (Acetylene, 2.4L, 100% Pure, 2000 Pounds)</b>						No. <b>2</b>		Type <b>DRUM</b>																													
c. <b>PC Waste (Acetylene, 2.4L, 100% Pure, 2000 Pounds)</b>						No. <b>2</b>		Type <b>DRUM</b>																													
d. <b>PC Waste (Acetylene, 2.4L, 100% Pure, 2000 Pounds)</b>						No. <b>2</b>		Type <b>DRUM</b>																													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Haz. Code</th> <th>Physical State</th> <th>Specific Gravity</th> <th>Percentage</th> <th>Haz. Code</th> <th>Physical State</th> <th>Specific Gravity</th> <th>Percentage</th> </tr> <tr> <td>a. <b>1</b></td> <td><b>3</b></td> <td><b>1.2</b></td> <td><b>100</b></td> <td>c. <b>1</b></td> <td><b>3</b></td> <td><b>1.2</b></td> <td><b>100</b></td> </tr> <tr> <td>b. <b>1</b></td> <td><b>3</b></td> <td><b>1.2</b></td> <td><b>100</b></td> <td>d. <b>1</b></td> <td><b>3</b></td> <td><b>1.2</b></td> <td><b>100</b></td> </tr> </table>						Haz. Code	Physical State	Specific Gravity	Percentage	Haz. Code	Physical State	Specific Gravity	Percentage	a. <b>1</b>	<b>3</b>	<b>1.2</b>	<b>100</b>	c. <b>1</b>	<b>3</b>	<b>1.2</b>	<b>100</b>	b. <b>1</b>	<b>3</b>	<b>1.2</b>	<b>100</b>	d. <b>1</b>	<b>3</b>	<b>1.2</b>	<b>100</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>a. <b>1</b></th> <th>b. <b>1</b></th> <th>c. <b>1</b></th> <th>d. <b>1</b></th> </tr> </table>				a. <b>1</b>	b. <b>1</b>	c. <b>1</b>	d. <b>1</b>
Haz. Code	Physical State	Specific Gravity	Percentage	Haz. Code	Physical State	Specific Gravity	Percentage																														
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a. <b>1</b>	b. <b>1</b>	c. <b>1</b>	d. <b>1</b>																																		
15. Special Handling Instructions and Additional Information <b>Emergency Response Coordination (202) 392-1503 and 202-392-1504</b>																																					
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Printed/Typed Name						Signature																															
17. Transporter 1 Acknowledgement of Receipt of Materials						Date																															
Printed/Typed Name						Signature																															
18. Transporter 2 Acknowledgement of Receipt of Materials						Date																															
Printed/Typed Name						Signature																															
19. Discrepancy Indication Space																																					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																																					
Printed/Typed Name						Signature																															
Month						Day		Year																													

MDC 1048674



ATTACHMENT 70

# MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
(410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

137E

## HAZARDOUS WASTE PROGRAM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) HAZARDOUS WASTE MANIFEST Form Approved. OMB No. 2050-0039.

In case of an emergency or spill, immediately call the National Response Center at (800) 424-8802 and the MDE at (410) 537-3400. Nights and Holidays at (866) 633-4686.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>MD00000136366</b>		Manifest Document No. <b>48688</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.																									
3. Generator's Name and Mailing Address <b>Eastern Plating - Rosedale 7803 Pulaski Highway Baltimore, MD 21237</b>						A. State Manifest Document Number <b>MDC 1048688</b>																											
4. Generator's Phone (410) 875-5002						B. State Generator's ID																											
5. Transporter 1 Company Name <b>Midwest Environmental Transport, Inc.</b>						C. State Transporter's ID <b>HWH 121 011414</b>																											
6. US EPA ID Number <b>OH00000000539</b>						D. Transporter's Phone <b>(513) 772-1445</b>																											
7. Transporter 2 Company Name						E. State Transporter's ID																											
8. US EPA ID Number						F. Transporter's Phone																											
9. Designated Facility Name and Site Address <b>Environmental Enterprises, Inc. 4650 Spring Grove Avenue Cincinnati, OH 45232</b>						G. State Facility ID																											
10. US EPA ID Number <b>LOHD083377010</b>						H. Facility's Phone <b>513 541 1823</b>																											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.																									
a. <b>RQ, Waste Methyl ethyl ketone, 3, UN1193, PGII (D001 D035 F005)</b>					No. <b>3</b> Type <b>DM</b>	<b>165</b>	<b>G</b>	<b>D001 D035 F005</b>																									
b. <b>Waste Toxic, liquids, organic, n.o.s., (N-Propyl bromide, 2-Propanol), 6.1, UN2610, PGII</b>					<b>1</b> <b>DA</b>	<b>55</b>	<b>G</b>	<b>None</b>																									
c.																																	
d.																																	
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above																												
<table border="1" style="width: 100%;"> <tr> <th>Haz. Code</th> <th>Physical State</th> <th>Specific Gravity</th> <th>Percentage</th> </tr> <tr> <td>a. <b>1</b></td> <td><b>L</b></td> <td></td> <td></td> </tr> <tr> <td>b. <b>1</b></td> <td><b>L</b></td> <td></td> <td></td> </tr> </table>					Haz. Code	Physical State	Specific Gravity	Percentage	a. <b>1</b>	<b>L</b>			b. <b>1</b>	<b>L</b>			<table border="1" style="width: 100%;"> <tr> <th>Haz. Code</th> <th>Physical State</th> <th>Specific Gravity</th> <th>Percentage</th> </tr> <tr> <td>c. <b>1</b></td> <td><b>L</b></td> <td></td> <td></td> </tr> <tr> <td>d. <b>1</b></td> <td><b>L</b></td> <td></td> <td></td> </tr> </table>					Haz. Code	Physical State	Specific Gravity	Percentage	c. <b>1</b>	<b>L</b>			d. <b>1</b>	<b>L</b>		
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15. Special Handling Instructions and Additional Information <b>11 a. X44351 3 x55 ERG # 127</b> <b>11 b. X44351 1 x55 ERG # 153</b> <b>Emergency Response Coordinator: (800) 392-1503 and call 911</b>																																	
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Printed/Typed Name <b>[Signature]</b>					Signature <b>[Signature]</b>																												
17. Transporter 1 Acknowledgement of Receipt of Materials					Date <b>0052405</b>																												
Printed/Typed Name <b>Brian J. Hunter</b>					Signature <b>[Signature]</b>																												
18. Transporter 2 Acknowledgement of Receipt of Materials					Date <b>052405</b>																												
Printed/Typed Name					Signature																												
19. Discrepancy Indication Space																																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																																	
Printed/Typed Name <b>Dale Campbell</b>					Signature <b>[Signature]</b>																												
					Date <b>000005</b>																												

MDC 1048688

ATTACHMENT 7P

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
(410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

137E

HAZARDOUS WASTE PROGRAM  
HAZARDOUS WASTE MANIFEST

Form Approved. OMB No. 2050-0039.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. MD00000136366		Manifest Document No. 07257		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Eastern Plating - Rosedale 7803 Pulaski Highway Baltimore, MD 21237						A. State Manifest Document Number MDC 1108257							
4. Generator's Phone (410) 875-5802						B. State Generator's ID							
5. Transporter 1 Company Name Midwest Environmental Transport, Inc.						C. State Transporter's ID HWH 422 0144							
6. US EPA ID Number OH0000000539						D. Transporter's Phone (513) 772-1145							
7. Transporter 2 Company Name						E. State Transporter's ID HWH							
9. Designated Facility Name and Site Address Environmental Enterprises, Inc. 4650 Spring Grove Avenue Cincinnati, OH 45232						F. Transporter's Phone 513 541 1823							
10. US EPA ID Number L OH0000000539						G. State Facility ID							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						H. Facility's Phone							
a. RQ, Waste Methyl ethyl ketone, 3, UN1193, RGI (D001 D035 F005)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
						XX 5 DM		275 G				D001 D035 F005	
b.													
c.													
d.													
J. Additional Description for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State Specific Gravity Percentage						a. Haz. Code Physical State Specific Gravity Percentage							
b. Haz. Code Physical State Specific Gravity Percentage						b. Haz. Code Physical State Specific Gravity Percentage							
15. Special Handling Instructions and Additional Information						Emergency Response Coordinator: (800) 392-1503 and call 911							
11 a. X44351 5 x55 ERG # 127													
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Printed/Typed Name K. J. Paner						Signature [Signature]							
17. Transporter 1 Acknowledgement of Receipt of Materials						Month Day Year 12/9/01/05							
Printed/Typed Name [Signature]						Signature [Signature]							
18. Transporter 2 Acknowledgement of Receipt of Materials						Month Day Year 12/9/01/05							
Printed/Typed Name						Signature [Signature]							
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name Steve McClellan						Signature [Signature]							
Month Day Year 12/9/01/05													

MDC 1108257

Form Approved, OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

MDc 1108279

ATTACHMENT 7R

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719  
 (410) 537-3344 1-800-633-6101 (within Maryland) <http://www.mde.state.md.us>

137E

HAZARDOUS WASTE PROGRAM  
HAZARDOUS WASTE MANIFEST

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. MD00000136366		Manifest Document No. 08299		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Eastern Plating - Rosedale 7803 Pulaski Highway Baltimore, MD 21237						A. State Manifest Document Number MDC 1108299							
4. Generator's Phone ( ) (410) 375-5802						B. State Generator's ID							
5. Transporter 1 Company Name Midwest Environmental Transport, Inc.						C. State Transporter's ID HWH: 492 013820 DC: 1							
6. US EPA ID Number OH00000000539						D. Transporter's Phone (513) 772-1145							
7. Transporter 2 Company Name						E. State Transporter's ID HWH: DC: 1							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address Environmental Enterprises, Inc. 4650 Spring Grove Avenue Cincinnati, OH 45232						G. State Facility ID							
10. US EPA ID Number LOHD083377010						H. Facility's Phone 513 541 1823							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ, Waste Methyl ethyl ketone, 3, UN1193, PGII (D001 D035 Foo5)						No. Type		Quantity		Unit Wt/Vol		Waste No.	
						--7 DM --385 G						D001 D035 Foo5	
b.													
c.													
d.													
J. Additional Description for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a. Haz. Code Physical State Specific Gravity Percentage						a. Haz. Code Physical State Specific Gravity Percentage							
b. Haz. Code Physical State Specific Gravity Percentage						b. Haz. Code Physical State Specific Gravity Percentage							
15. Special Handling Instructions and Additional Information						Emergency Response Coordinator: (800) 392-1503 and call 911							
11 a. X443517 x55 ERG # 127													
16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation.													
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Gerald Sullivan						Signature [Signature]							
17. Transporter 1 Acknowledgement of Receipt of Materials						Date 10/11/06							
Printed/Typed Name Steve W. Kins						Signature [Signature]							
18. Transporter 2 Acknowledgement of Receipt of Materials						Date 10/31/06							
Printed/Typed Name						Signature							
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name [Signature]						Signature [Signature]							
						Date 11/11/06							

MDC 1108299



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MD0000136366	2. Page 1 of 1	3. Emergency Response Phone (800) 392-1503	4. Manifest Tracking Number 000015090 FLE			
5. Generator's Name and Mailing Address Eastern Plating, Rosedale 7803 Pulaski Highway Baltimore, MD 21237 Generator's Phone: (410) 875-5802				Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Midwest Environmental Transport, Inc.					U.S. EPA ID Number OH0000000539			
7. Transporter 2 Company Name					U.S. EPA ID Number			
8. Designated Facility Name and Site Address Environmental Enterprises, Inc. 4650 Spring Grove Avenue Cincinnati, OH 45232 Facility's Phone: (513) 541-1829					U.S. EPA ID Number OHD083377010			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		1. RO. Waste Methyl ethyl ketone, 3. UN1193, PGII (D001 D035 F005)		No.	Type			D001 D035 F005
		2.						
		3.						
		4.						
14. Special Handling Instructions and Additional Information 12 RS ERS# 127 06-35822-33				EEI Work Order # 0		Emergency Contact: Emergency Response Coordinator (800) 392-1503 and contact 911		
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name Gerald Sullivan				Signature 		Month Day Year 9 26 06		
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.				Port of entry/exit: Date leaving U.S.:			
	Transporter signature (for exports only):							
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials							
	Transporter 1 Printed/Typed Name Glen Watkins		Signature 		Month Day Year 9 26 06			
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year			
	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	Manifest Reference Number:							
	18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. 1001		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name Steve McCallum				Signature 		Month Day Year 10 19 06		